

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING


FORM 3

AMENDED REPORT ☐

| | | | | | | |
|---|------------------|--|----------------|---|--------------|-----------------|
| APPLICATION FOR PERMIT TO DRILL | | | | 1. WELL NAME and NUMBER Bonanza 1023-15H4CS | | |
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | | | 3. FIELD OR WILDCAT NATURAL BUTTES | | |
| 4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/> | | | | 5. UNIT or COMMUNITIZATION AGREEMENT NAME | | |
| 6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P. | | | | 7. OPERATOR PHONE 720 929-6587 | | |
| 8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217 | | | | 9. OPERATOR E-MAIL mary.mondragon@anadarko.com | | |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 38427 | | 11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | 12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee') | | | | 14. SURFACE OWNER PHONE (if box 12 = 'fee') | | |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') | | | | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee') | | |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') | | 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/> | | 19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/> | | |
| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
| LOCATION AT SURFACE | 2204 FSL 319 FEL | NESE | 15 | 10.0 S | 23.0 E | S |
| Top of Uppermost Producing Zone | 2450 FNL 535 FEL | SENE | 15 | 10.0 S | 23.0 E | S |
| At Total Depth | 2450 FNL 535 FEL | SENE | 15 | 10.0 S | 23.0 E | S |
| 21. COUNTY UINTAH | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 535 | | 23. NUMBER OF ACRES IN DRILLING UNIT 640 | | |
| | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 445 | | 26. PROPOSED DEPTH MD: 8033 TVD: 7920 | | |
| 27. ELEVATION - GROUND LEVEL 5604 | | 28. BOND NUMBER WYB000291 | | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496 | | |

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

| | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP |
| NAME Danielle Piernot | TITLE Regulatory Analyst |
| SIGNATURE | PHONE 720 929-6156 |
| API NUMBER ASSIGNED 43047507410000 | DATE 09/11/2009 |
| APPROVAL | EMAIL danielle.piernot@anadarko.com |
|  Permit Manager | |

| Proposed Hole, Casing, and Cement | | | | | | |
|-----------------------------------|-----------------|-------------|----------|-------------|--|--|
| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
| Surf | 12.25 | 9.625 | 0 | 2050 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade J-55 LT&C | 2050 | 36.0 | | | |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|-----------------------------------|----------------------|-------------|----------|-------------|--|--|
| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
| Prod | 7.875 | 4.5 | 0 | 8033 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade I-80 Buttreass | 8033 | 11.6 | | | |
| | | | | | | |

T10S, R23E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

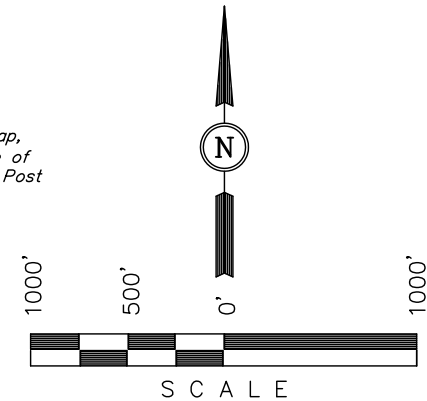
Well location, BONANZA #1023-15H4CS, located as shown in the NE 1/4 SE 1/4 of Section 15, T10S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

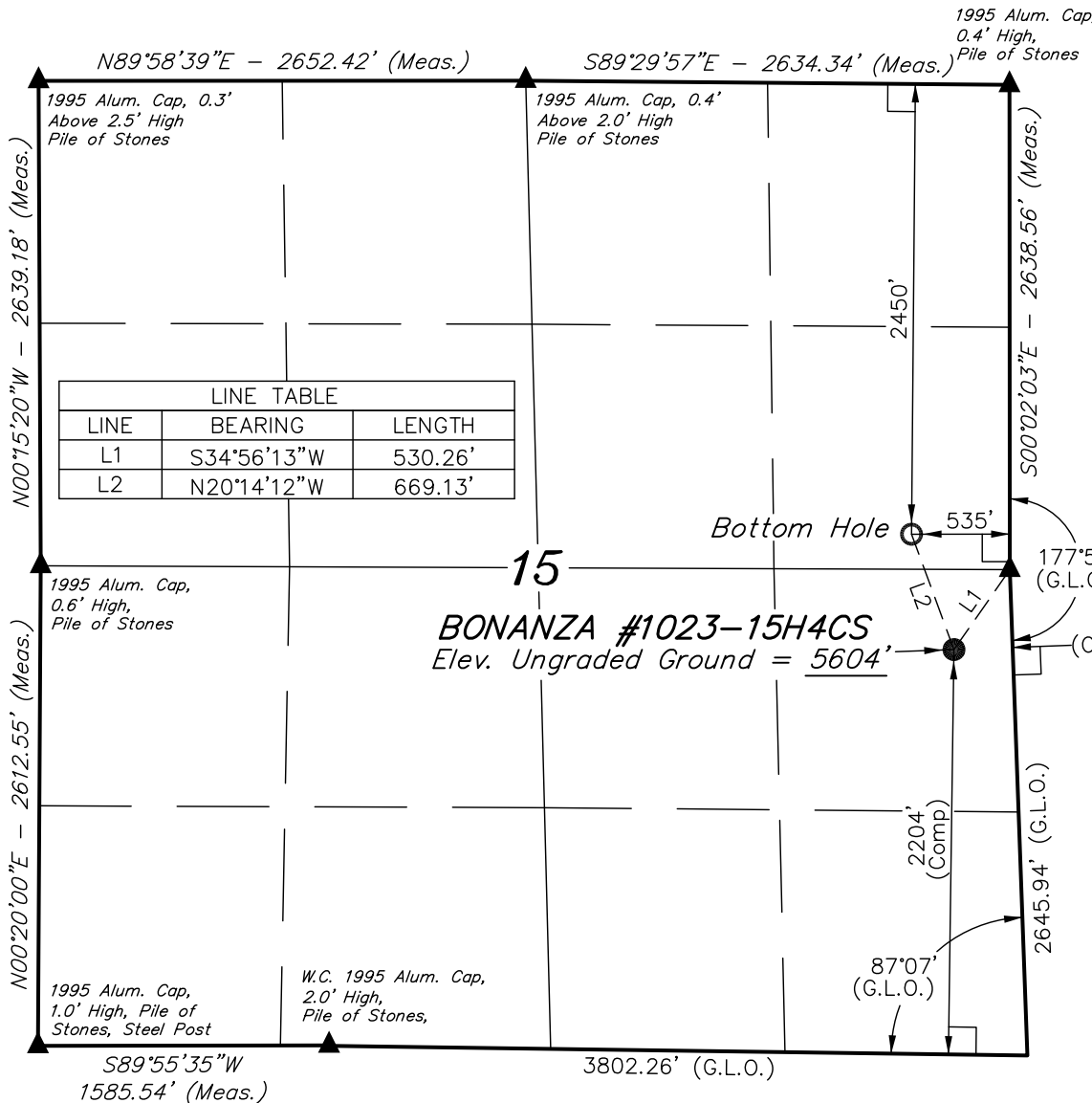
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 04-13-09 S.P.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

| | | |
|-------------------------|---|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 02-23-09 | DATE DRAWN: 02-25-09 |
| PARTY D.K. D.C. S.P. | REFERENCES G.L.O. PLAT | |
| WEATHER COLD | FILE Kerr-McGee Oil & Gas Onshore LP | |



LEGEND:

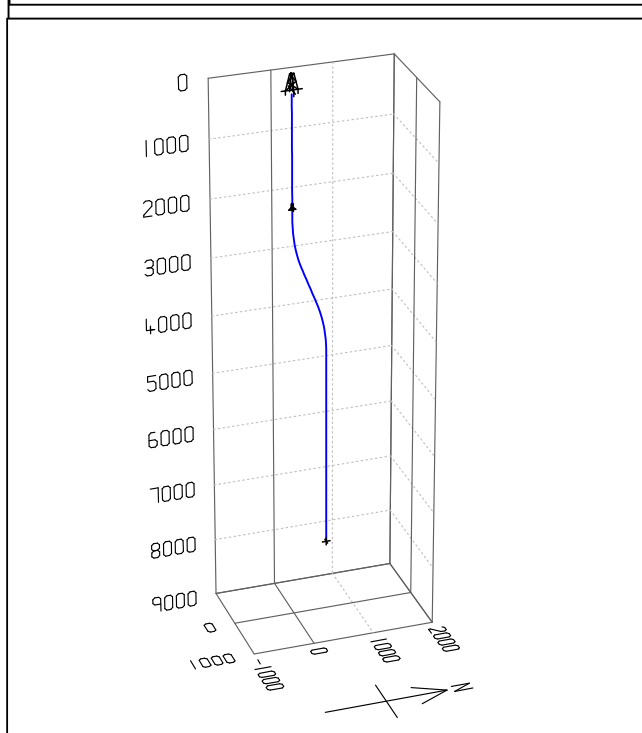
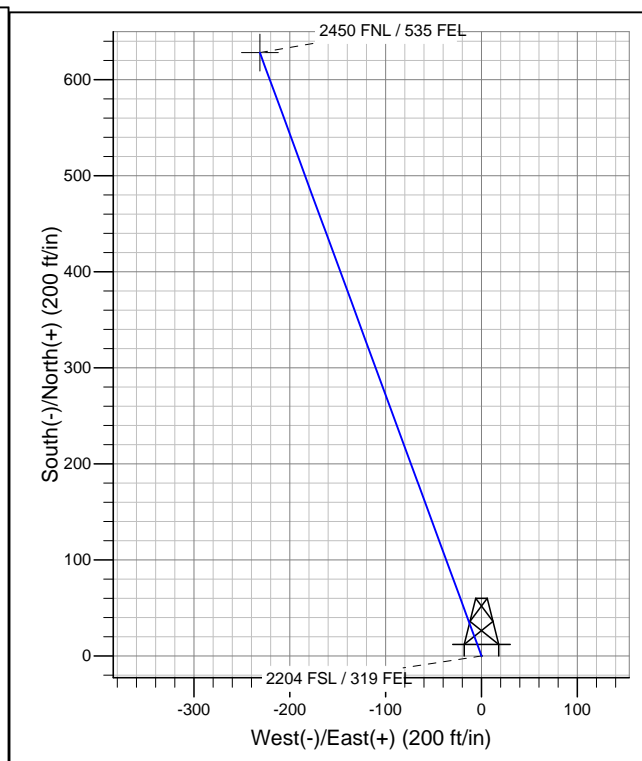
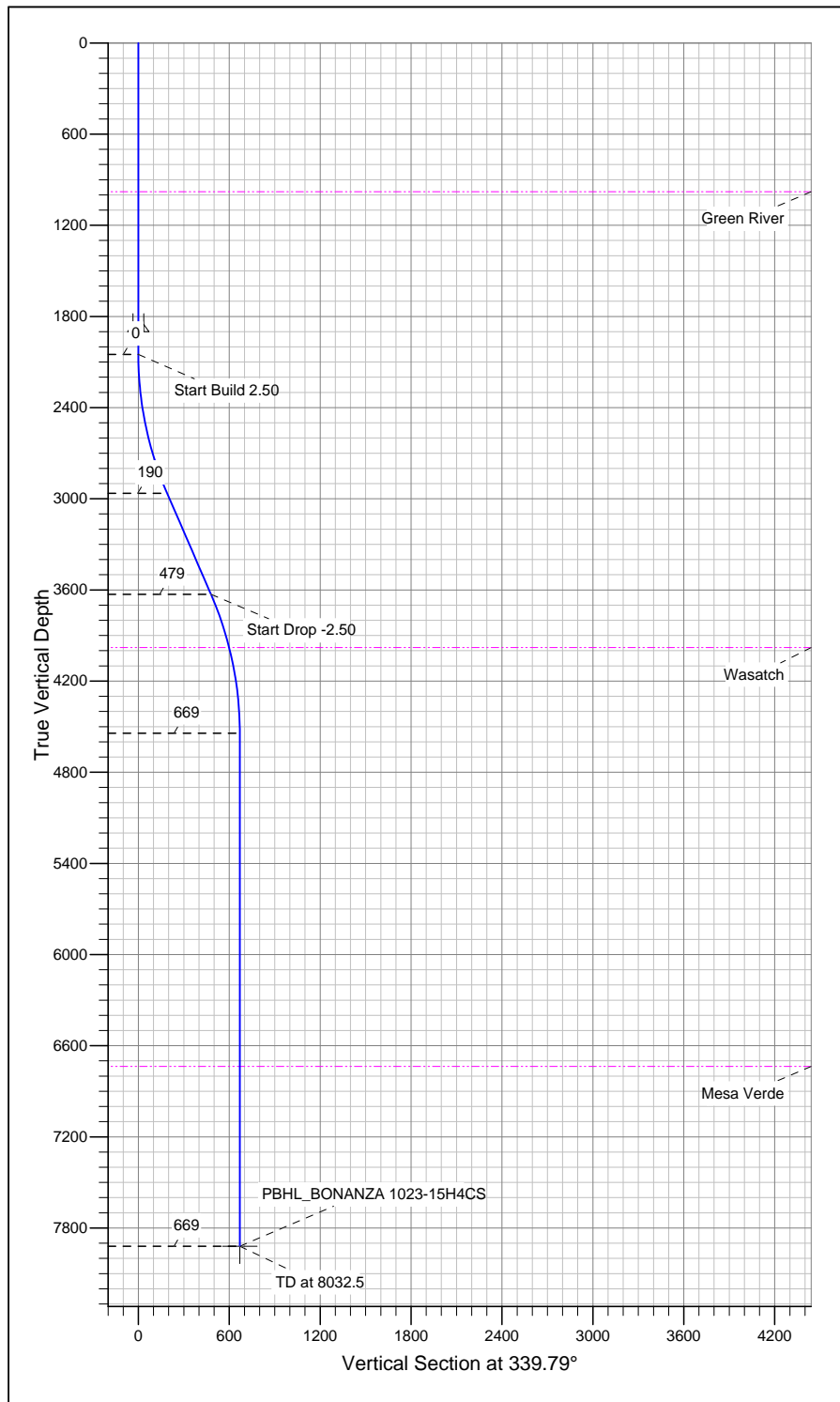
- 90° SYMBOL
- PROPOSED WELL HEAD.
- SECTION CORNERS LOCATED.

| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|--|--|
| LATITUDE = 39°56'58.25" (39.949514) | LATITUDE = 39°56'52.04" (39.947789) |
| LONGITUDE = 109°18'20.05" (109.305569) | LONGITUDE = 109°18'17.08" (109.304744) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 39°56'58.37" (39.949547) | LATITUDE = 39°56'52.16" (39.947822) |
| LONGITUDE = 109°18'17.62" (109.304894) | LONGITUDE = 109°18'14.65" (109.304069) |

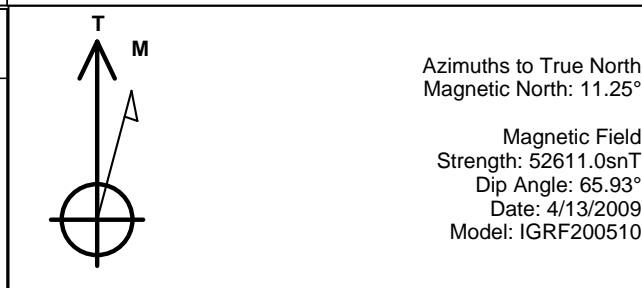
'APIWellNo:43047507410000'



Well Name: P_BONANZA 1023-15H4CS
 Surface Location: UINTAH_BONANZA 1023-15I PAD
 NAD 1927 (NADCON CONUS) Universal Transverse Mercator (US Survey Feet)
 UTAH - UTM (feet), NAD27, Zone 12N
 Ground Elevation: 5603.0
 Northing 14511562.39 Easting 2115749.86 Latitude 39.947822°N Longitude 109.304069°W



| SECTION DETAILS | | | | | | | | | |
|-----------------|--------|-------|--------|--------|-------|--------|------|--------|-------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec |
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 2 | 2050.0 | 0.00 | 0.00 | 2050.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 3 | 2990.0 | 23.50 | 339.79 | 2963.9 | 178.4 | -65.7 | 2.50 | 339.79 | 190.1 |
| 4 | 3715.6 | 23.50 | 339.79 | 3629.3 | 449.9 | -165.6 | 0.00 | 0.00 | 479.4 |
| 5 | 4655.6 | 0.00 | 0.00 | 4543.2 | 628.3 | -231.3 | 2.50 | 180.00 | 669.5 |
| 6 | 8032.5 | 0.00 | 0.00 | 7920.0 | 628.3 | -231.3 | 0.00 | 0.00 | 669.5 |



ROCKIES - PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

UINTAH_BONANZA 1023-15I PAD

P_BONANZA 1023-15H4CS

P_BONANZA 1023-15H4CS

Plan: Plan #1 04-13-09 ZJRA6

Standard Planning Report - Geographic

22 April, 2009

APC

Planning Report - Geographic

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | apc_edmp | Local Co-ordinate Reference: | Well P_BONANZA 1023-15H4CS |
| Company: | ROCKIES - PLANNING | TVD Reference: | WELL @ 5603.0ft (Original Well Elev) |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | MD Reference: | WELL @ 5603.0ft (Original Well Elev) |
| Site: | UINTAH_BONANZA 1023-15I PAD | North Reference: | True |
| Well: | P_BONANZA 1023-15H4CS | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_BONANZA 1023-15H4CS | | |
| Design: | Plan #1 04-13-09 ZJRA6 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UTAH - UTM (feet), NAD27, Zone 12N | | |
| Map System: | Universal Transverse Mercator (US Survey Fee | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | | |
|-----------------------|----------|-----------------------------|-----------------|------------|-------------------|--------|
| Site | | UINTAH_BONANZA 1023-15I PAD | | | | |
| Site Position: | | Northing: | 14,511,566.77ft | Latitude: | 39.947833°N | |
| From: | Lat/Long | Easting: | 2,115,769.12ft | Longitude: | 109.304000°W | |
| Position Uncertainty: | | 0.0 ft | Slot Radius: | " | Grid Convergence: | 1.09 ° |

| | | | | | | |
|----------------------|-----------------------|--------|---------------------|------------------|---------------|--------------|
| Well | P_BONANZA 1023-15H4CS | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 14,511,562.39 ft | Latitude: | 39.947822°N |
| | +E/-W | 0.0 ft | Easting: | 2,115,749.86 ft | Longitude: | 109.304069°W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 5,603.0 ft |

| | | | | | |
|------------------|-----------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | P_BONANZA 1023-15H4CS | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 4/13/2009 | 11.25 | 65.93 | 52,611 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 04-13-09 ZJRA6 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 339.79 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,050.0 | 0.00 | 0.00 | 2,050.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,990.0 | 23.50 | 339.79 | 2,963.9 | 178.4 | -65.7 | 2.50 | 2.50 | 0.00 | 339.79 | |
| 3,715.6 | 23.50 | 339.79 | 3,629.3 | 449.9 | -165.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,655.6 | 0.00 | 0.00 | 4,543.2 | 628.3 | -231.3 | 2.50 | -2.50 | 0.00 | 180.00 | |
| 8,032.5 | 0.00 | 0.00 | 7,920.0 | 628.3 | -231.3 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL_BONANZA 1 |

APC

Planning Report - Geographic

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | apc_edmp | Local Co-ordinate Reference: | Well P_BONANZA 1023-15H4CS |
| Company: | ROCKIES - PLANNING | TVD Reference: | WELL @ 5603.0ft (Original Well Elev) |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | MD Reference: | WELL @ 5603.0ft (Original Well Elev) |
| Site: | UINTAH_BONANZA 1023-15I PAD | North Reference: | True |
| Well: | P_BONANZA 1023-15H4CS | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_BONANZA 1023-15H4CS | | |
| Design: | Plan #1 04-13-09 ZJRA6 | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|---------------------|------------|------------|-------------------|------------------|-------------|--------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 14,511,562.39 | 2,115,749.86 | 39.947822°N | 109.304069°W |
| 979.0 | 0.00 | 0.00 | 979.0 | 0.0 | 0.0 | 14,511,562.39 | 2,115,749.86 | 39.947822°N | 109.304069°W |
| Green River | | | | | | | | | |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 14,511,562.39 | 2,115,749.86 | 39.947822°N | 109.304069°W |
| Surface Casing | | | | | | | | | |
| 2,050.0 | 0.00 | 0.00 | 2,050.0 | 0.0 | 0.0 | 14,511,562.39 | 2,115,749.86 | 39.947822°N | 109.304069°W |
| 2,990.0 | 23.50 | 339.79 | 2,963.9 | 178.4 | -65.7 | 14,511,739.49 | 2,115,680.81 | 39.948312°N | 109.304303°W |
| 3,715.6 | 23.50 | 339.79 | 3,629.3 | 449.9 | -165.6 | 14,512,009.07 | 2,115,575.72 | 39.949057°N | 109.304660°W |
| 4,085.6 | 14.25 | 339.79 | 3,979.0 | 562.1 | -206.9 | 14,512,120.47 | 2,115,532.29 | 39.949365°N | 109.304807°W |
| Wasatch | | | | | | | | | |
| 4,655.6 | 0.00 | 0.00 | 4,543.2 | 628.3 | -231.3 | 14,512,186.17 | 2,115,506.68 | 39.949547°N | 109.304894°W |
| 6,848.5 | 0.00 | 0.00 | 6,736.0 | 628.3 | -231.3 | 14,512,186.17 | 2,115,506.68 | 39.949547°N | 109.304894°W |
| Mesa Verde | | | | | | | | | |
| 8,032.5 | 0.00 | 0.00 | 7,920.0 | 628.3 | -231.3 | 14,512,186.17 | 2,115,506.68 | 39.949547°N | 109.304894°W |

| Targets | | | | | | | | | | |
|---------------------------|-----------|----------|---------|-------|--------|---------------|--------------|--|-------------|--------------|
| Target Name | | | | | | | | | | |
| - hit/miss target | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | | Latitude | Longitude |
| - Shape | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | | |
| PBHL_BONANZA 102 | 0.00 | 0.00 | 7,920.0 | 628.3 | -231.3 | 14,512,186.17 | 2,115,506.68 | | 39.949547°N | 109.304894°W |
| - plan hits target center | | | | | | | | | | |
| - Point | | | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|----------------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,900.0 | 1,900.0 | Surface Casing | 9-5/8 | 12-1/4 | |

| Formations | | | | | |
|---------------------|---------------------|-------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 4,085.6 | 3,979.0 | Wasatch | | 0.00 | |
| 979.0 | 979.0 | Green River | | 0.00 | |
| 6,848.5 | 6,736.0 | Mesa Verde | | 0.00 | |

Bonanza 1023-15H4CS

Pad: Bonanza 1023-15I

Surface: 2,204' FSL 319' FEL (NE/4SE/4)

BHL: 2,450' FNL 535' FEL (SE/4NE/4)

Sec. 15 T10S R23E

Uintah, Utah

Mineral Lease: UTU 38427

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Formation</u> | <u>Depth</u> | <u>Resource</u> |
|------------------|--------------|-----------------|
| Uinta | 0 – Surface | |
| Green River | 979' | |
| Birds Nest | 1,335' | Water |
| Mahogany | 1,843' | Water |
| Wasatch | 3,979' | Gas |
| Mesaverde | 5,757' | Gas |
| MVU2 | 6,736' | Gas |
| MVL1 | 7,331' | Gas |
| TVD | 7,920' | |
| TD | 8,033' | |

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 7,920' TVD, approximately equals 4,754 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 2,945 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In

some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet

from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

| | | | | | | | | | |
|-------------------|---|------------|------------|-------------|--------|-------|--------------------|-----|-----------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | | | | | DATE | September 11, 2009 | | |
| WELL NAME | Bonanza 1023-15H4CS | | | | | TD | 7,920' | TVD | 8,033' MD |
| FIELD | Natural Buttes | | COUNTY | Uintah | STATE | Utah | FINISHED ELEVATION | | 5,603' |
| SURFACE LOCATION | NE/4 SE/4 | 2,204' FSL | 319' FEL | Sec 15 | T 10S | R 23E | | | |
| | Latitude: | 39.947789 | Longitude: | -109.304744 | NAD 83 | | | | |
| BTM HOLE LOCATION | SE/4 NE/4 | 2,450' FNL | 535' FEL | Sec 15 | T 10S | R 23E | | | |
| | Latitude: | 39.949514 | Longitude: | -109.305569 | NAD 83 | | | | |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | | | | | | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept. | | | | | | | | |

Bonanza 1023-15H4CS Drilling Program-Directional well-updated 081209.xls



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | |
|------------|--------|------------|-------|------|-------|----------------|----------|---------|
| | | | | | | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-40' | | | | | | |
| | | | | | | 3,520 | 2,020 | 453,000 |
| SURFACE | 9-5/8" | 0 to 2,050 | 36.00 | J-55 | LTC | 1.14 | 2.11 | 7.81 |
| | | | | | | 7,780 | 6,350 | 278,000 |
| PRODUCTION | 4-1/2" | 0 to 8,033 | 11.60 | I-80 | BTC | 2.56 | 1.33 | 3.42 |
| | | | | | | | | |

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg)

0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2,945 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg)

0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 4,754 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------|----------------------|---|--|---------|--------|--------|-------|
| SURFACE | LEAD | 500' | Premium cmt + 2% CaCl | 215 | 60% | 15.60 | 1.18 |
| | | | + 0.25 pps flocele | | | | |
| Option 1 | TOP OUT CMT (6 jobs) | 1,200' | 20 gals sodium silicate + Premium cmt | 380 | 0% | 15.60 | 1.18 |
| | | | + 2% CaCl + 0.25 pps flocele | | | | |
| | | | Premium cmt + 2% CaCl | | | | |
| SURFACE | | NOTE: If well will circulate water to surface, option 2 will be utilized | | | | | |
| Option 2 | LEAD | 1,550' | 65/35 Poz + 6% Gel + 10 pps gilsonite | 370 | 35% | 12.60 | 1.81 |
| | | | + 0.25 pps Flocele + 3% salt BWOW | | | | |
| | TAIL | 500' | Premium cmt + 2% CaCl | 180 | 35% | 15.60 | 1.18 |
| | | | + 0.25 pps flocele | | | | |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| | | | | | | | |
| PRODUCTION | LEAD | 3,473' | Premium Lite II + 3% KCl + 0.25 pps | 330 | 40% | 11.00 | 3.38 |
| | | | celloflake + 5 pps gilsonite + 10% gel | | | | |
| | | | + 0.5% extender | | | | |
| | TAIL | 4,560' | 50/50 Poz/G + 10% salt + 2% gel | 1,120 | 40% | 14.30 | 1.31 |
| | | | + 0.1% R-3 | | | | |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|--|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe |
| | |
| PRODUCTION | Float shoe, 1 jt, float collar. No centralizers will be used. |
| | |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

John Huycke / Emile Goodwin

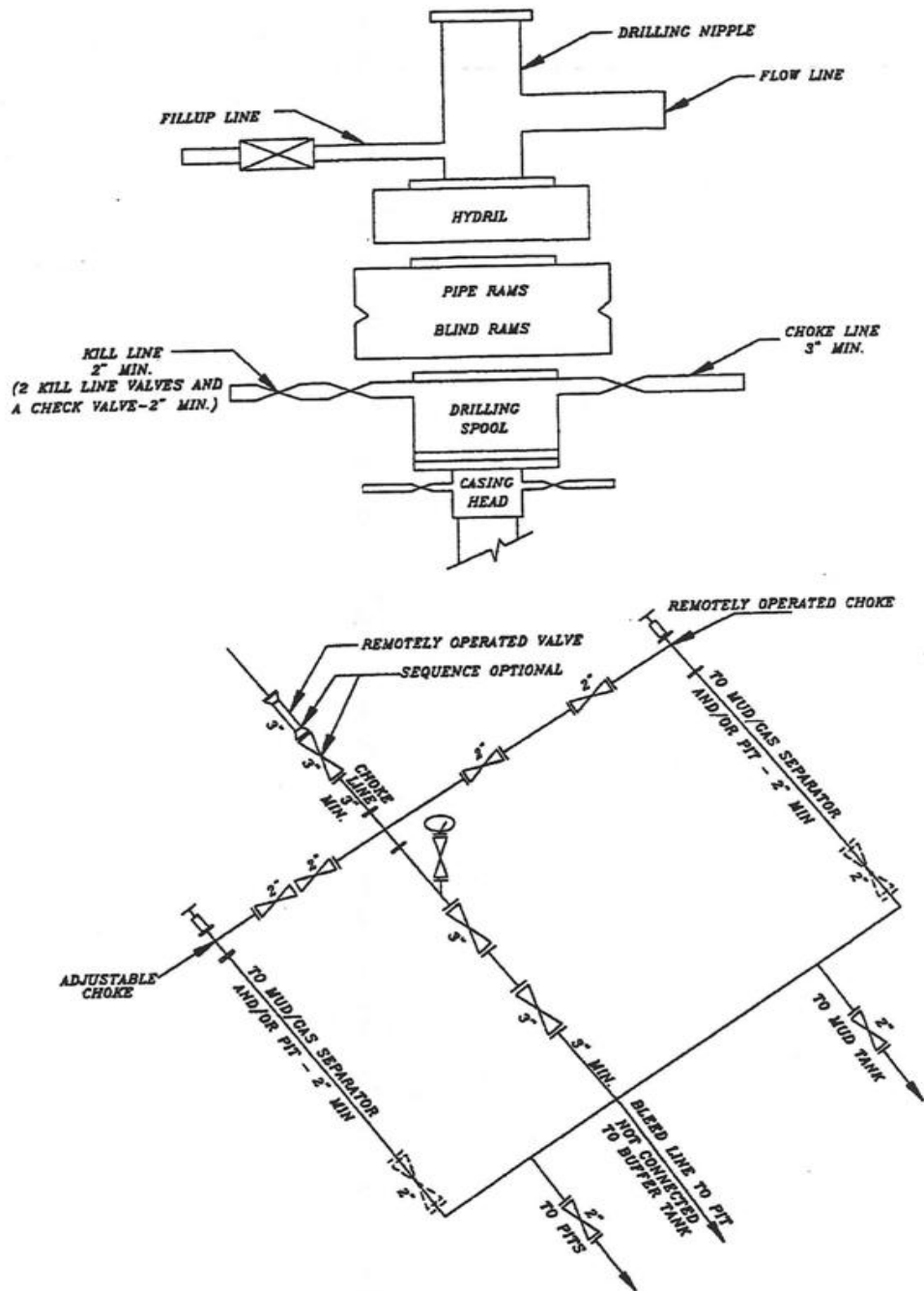
DATE:

DRILLING SUPERINTENDENT:

John Merkel / Lovel Young

DATE:

EXHIBIT A
Bonanza 1023-15H4CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

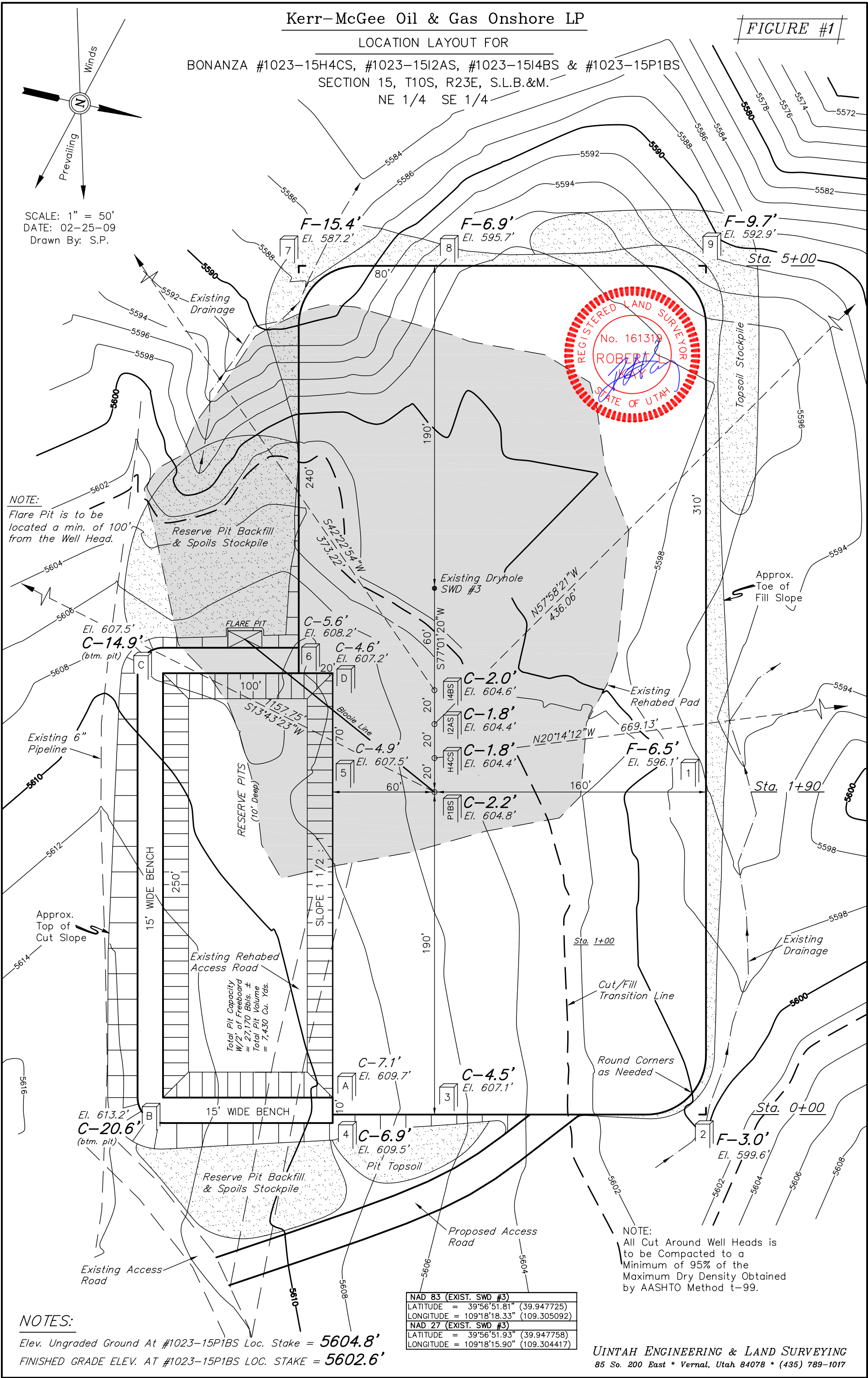
Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 50'
DATE: 02-25-09
Drawn By: S.P.

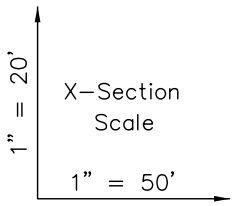


Kerr-McGee Oil & Gas Onshore LP

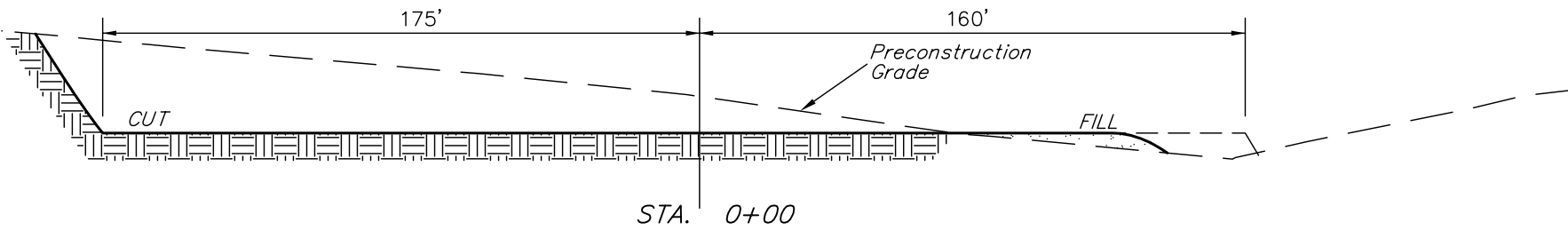
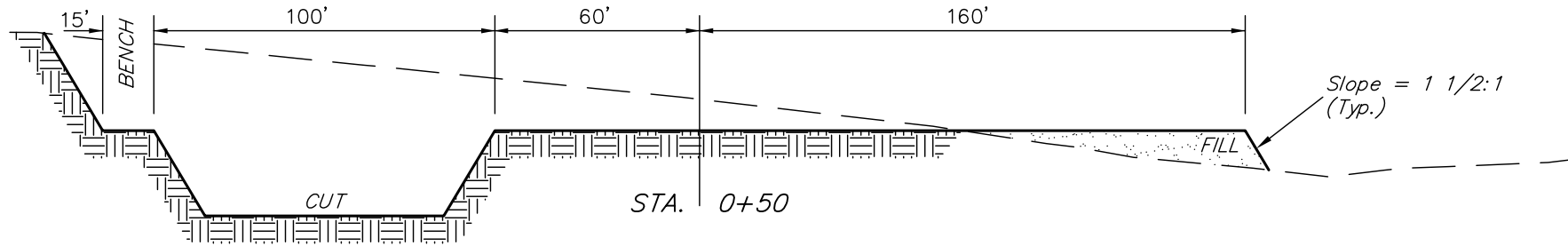
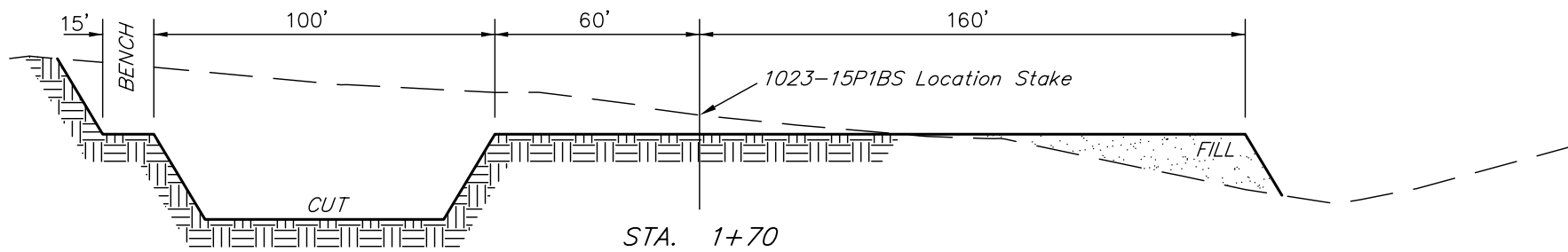
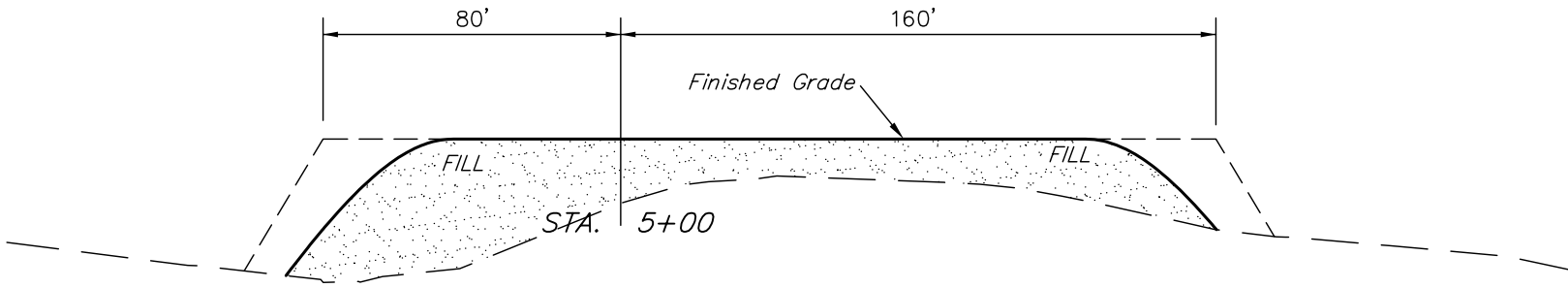
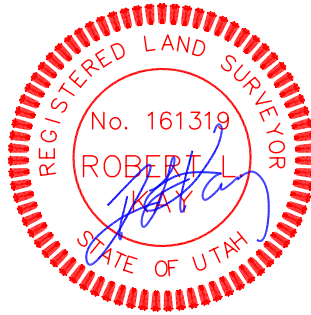
TYPICAL CROSS SECTIONS FOR

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

FIGURE #2



DATE: 02-25-09
Drawn By: S.P.



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.405 ACRES
ACCESS ROAD DISTURBANCE = ± 0.150 ACRES
PIPELINE DISTURBANCE = ± 0.084 ACRES
TOTAL = ± 4.639 ACRES

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 3,120 Cu. Yds.
Remaining Location = 20,040 Cu. Yds.
TOTAL CUT = 23,160 CU.YDS.
FILL = 12,870 CU.YDS.

EXCESS MATERIAL = 10,290 Cu. Yds.
Topsoil & Pit Backfill = 6,840 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 3,450 Cu. Yds.
(After Interim Rehabilitation)

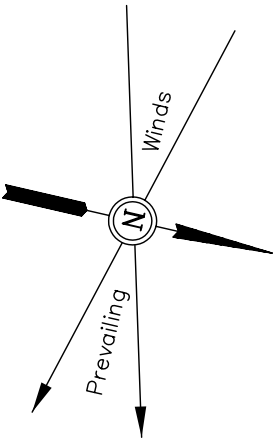
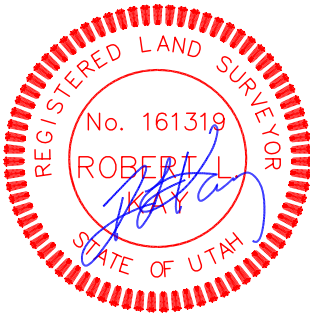
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

TYPICAL RIG LAYOUT FOR

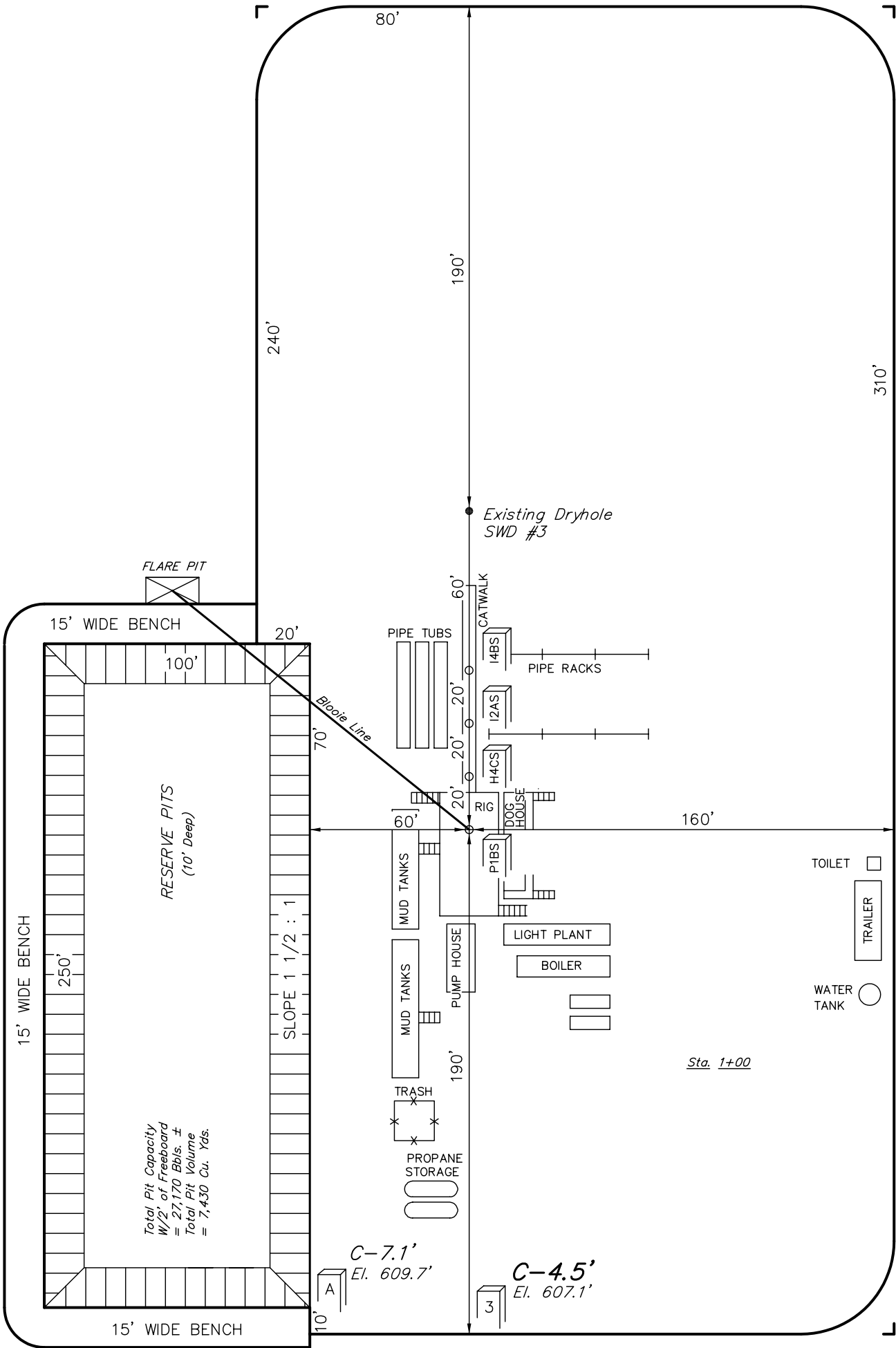
BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

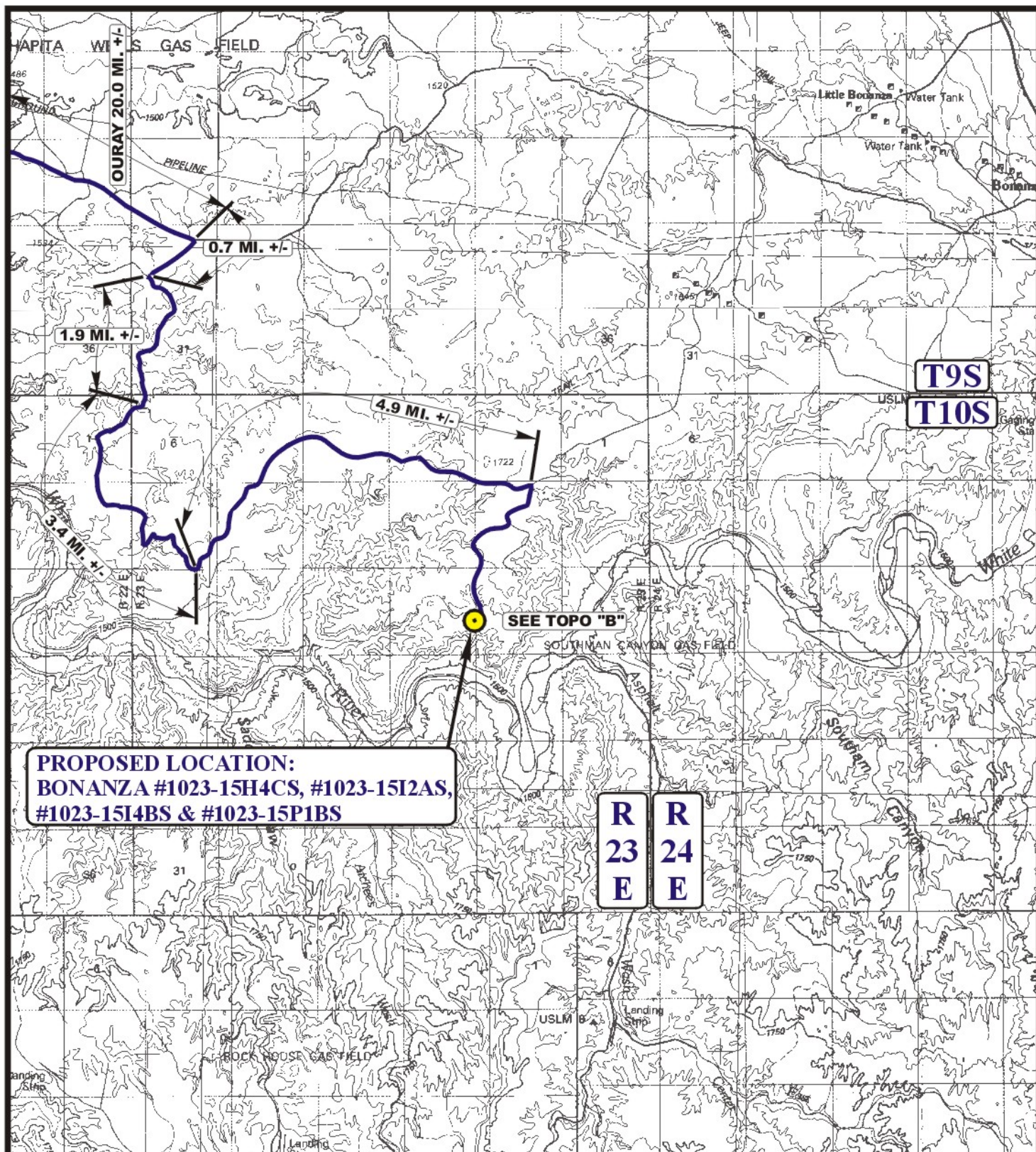
FIGURE #3

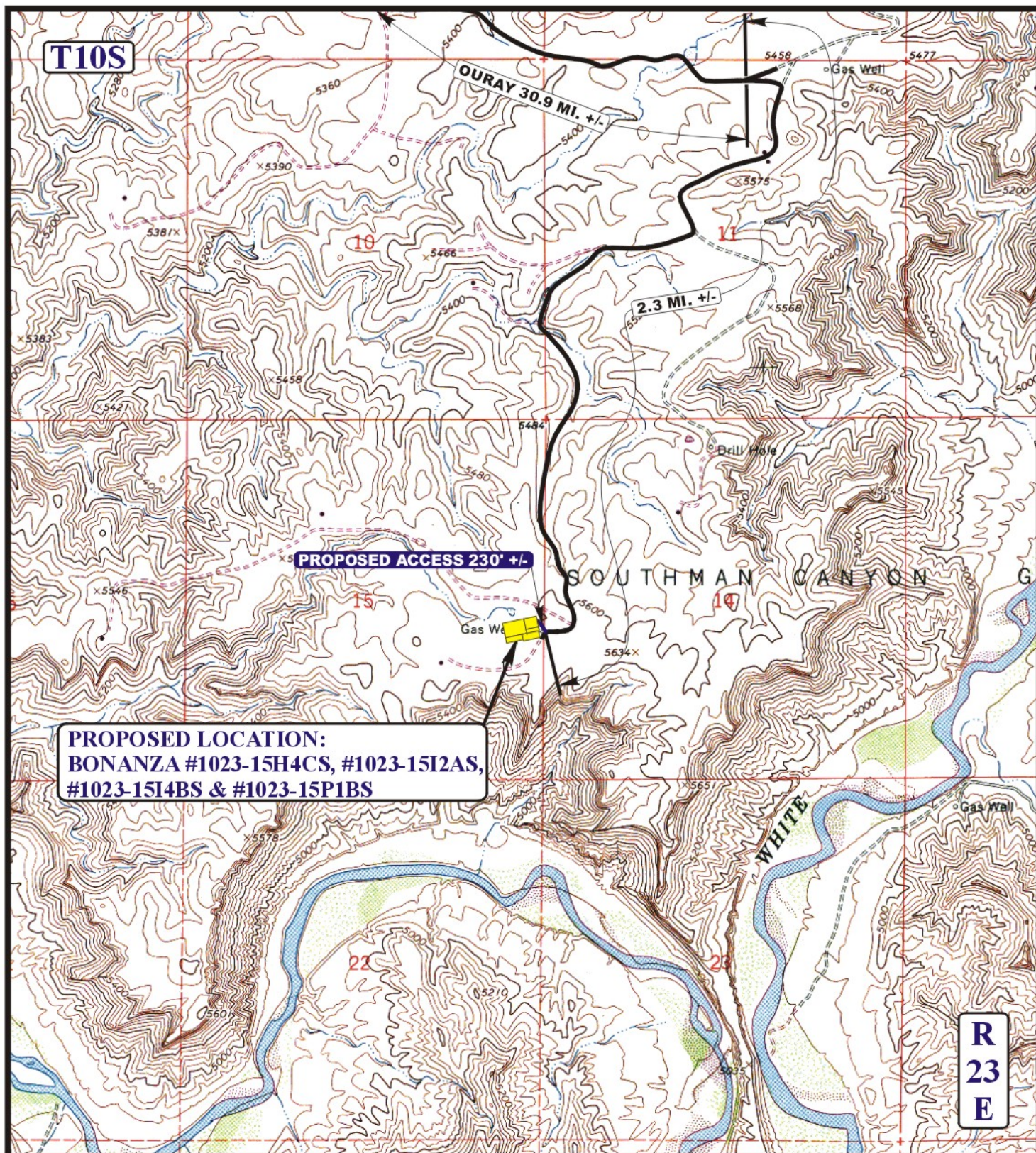


SCALE: 1" = 50'
DATE: 02-25-09
Drawn By: S.P.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.







PROPOSED LOCATION:
BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS

LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4



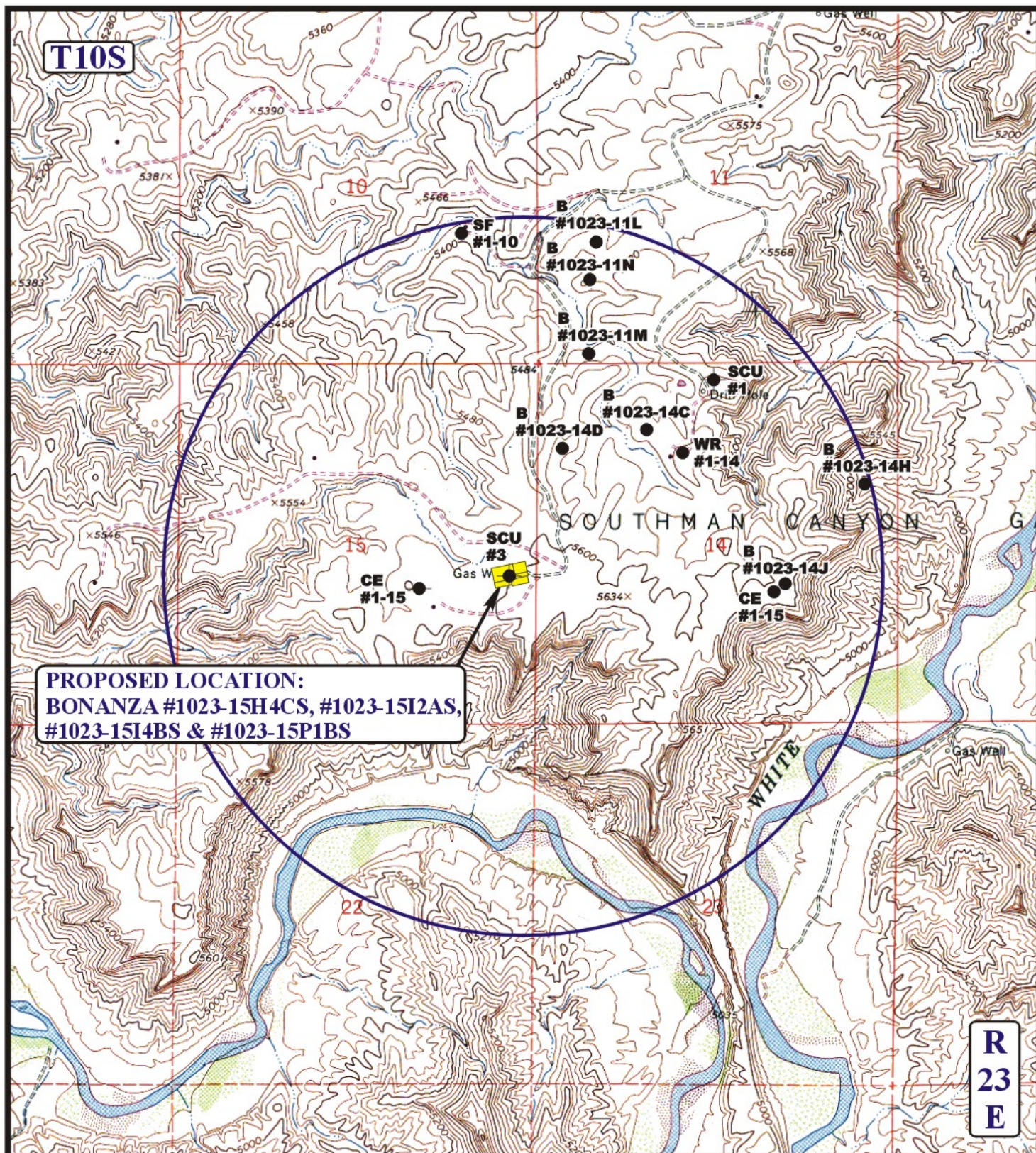
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 24 06
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: J.H. 02-24-09





LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS

SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4



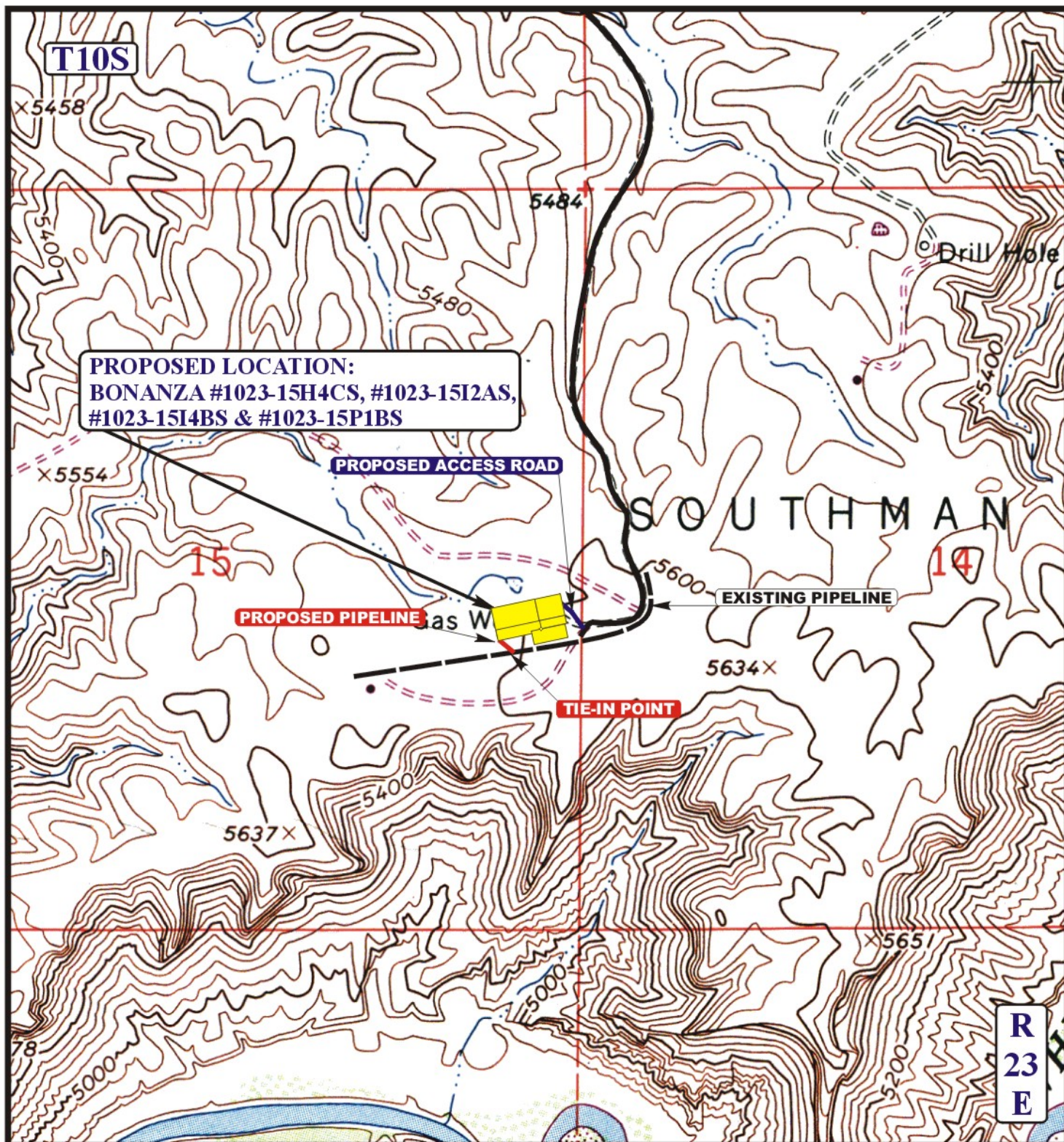
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 24 06
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: J.H. 02-24-09





APPROXIMATE TOTAL PIPELINE DISTANCE = 123' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 24 06
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REV: J.H. 02-24-09



Kerr-McGee Oil & Gas Onshore LP

**BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS**

LOCATED IN UINTAH COUNTY, UTAH
SECTION 15, T10S, R23E, S.L.B.&M.

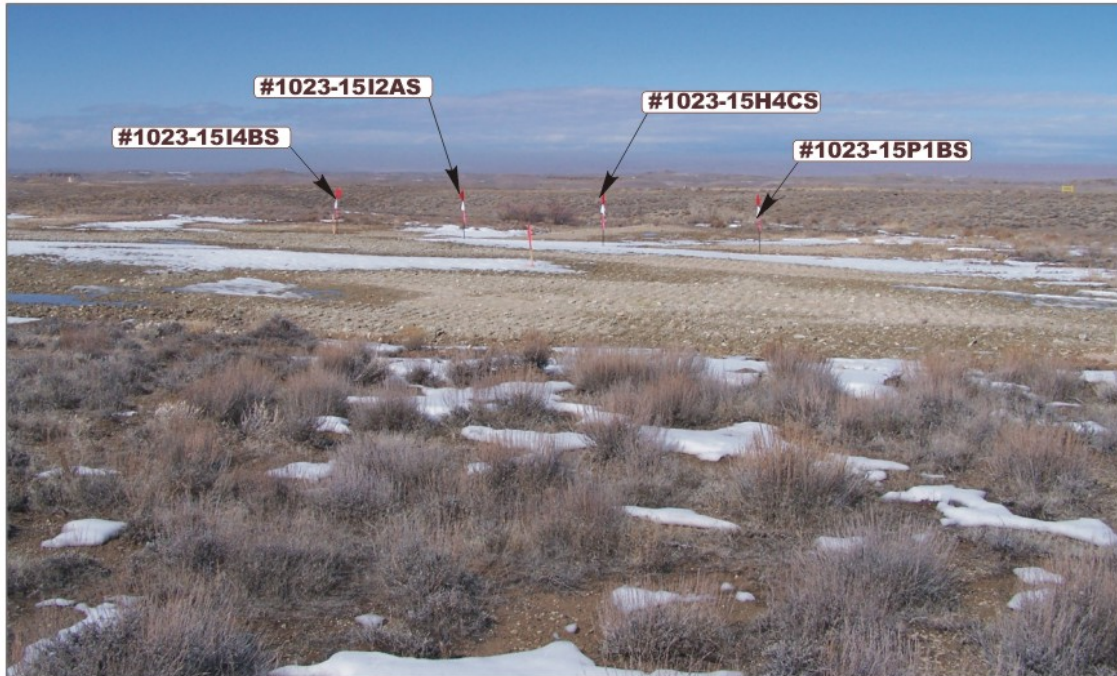


PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**U
E
L
S**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

05 24 06
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REV: J.H. 02-24-09

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 15, T10S, R23E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

U **E** **L** **S** Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

PIPELINE PHOTOS

05 24 06
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REV: J.H. 02-24-09

**Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-15H4CS, #1023-15I2AS,
#1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 4.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 225' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 64.2 MILES.

Bonanza 1023-15H4CS

Surface: 2,204' FSL 319' FEL (NE/4SE/4)

BHL: 2,450' FNL 535' FEL (SE/4NE/4)

Bonanza 1023-15I2AS

Surface: 2,199' FSL 339' FEL (NE/4SE/4)

BHL: 2,425' FSL 700' FEL (NE/4SE/4)

Bonanza 1023-15I4BS

Surface: 2,194' FSL 359' FEL (NE/4SE/4)

BHL: 1,915' FSL 620' FEL (NE/4SE/4)

Bonanza 1023-15P1BS

Surface: 2,208' FSL 300' FEL (NE/4SE/4)

BHL: 1,080' FSL 615' FEL (SE/4SE/4)

Pad: Bonanza 1023-15I

Sec. 15 T10S R23E

Uintah, Utah

Mineral Lease: UTU 38427

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN
SUBMITTED WITH SITE-SPECIFIC INFORMATION***

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted on May 7, 2009 showing the surface locations in NE/4 SE/4 of Section 15 T10S R23E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on May 27, 2009. Present were:

- Verlyn Pindell, Dave Gordon, Scott Ackerman – BLM;
- Kolby Kay – 609 Consulting, LLC;
- Tony Kazeck, Raleen White and Hal Blanchard – Kerr-McGee.

Directional Drilling:

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

A. Existing Roads:

- A) Refer to Topo Map A for directions to the location.
- B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

B. Planned Access Roads:

See MDP for additional details on road construction.

Approximately $\pm 230'$ (± 0.04 mile) of new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

C. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

D. Location of Existing and Proposed Facilities:

See MDP for additional details on Existing and Proposed Facilities.

This pad will expand the existing pad for the SWD #3, which is a Dry Hole according to Utah Division of Oil, Gas and Mining (UDOGM) records.

The following guidelines will apply if the well is productive.

Approximately $\pm 123'$ (± 0.02 miles) of pipeline is proposed. Refer to Topo D for the existing pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place.

Per the onsite meeting, the following items were requested/discussed:

- Install a 30 mil pit liner and felt
- Clean out existing pond
- 4" of topsoil
- Keep spoils out of drainage at corners 1 and 2

E. Location and Type of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from one of the following sources:

- Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, application number 53617.
- Price Water Pumping Inc. Green River and White River, various sources, Water Right Number 49-1659, application number: a35745.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. Source of Construction Materials:

See MDP for additional details on Source of Construction Materials.

G. Methods of Handling Waste Materials:

See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

H. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.

None are anticipated.

I. Well Site Layout: (See Location Layout Diagram)

See MDP for additional details on Well Site Layout.

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

J. Plans for Reclamation of the Surface:

See MDP for additional details on Plans for Reclamation of the Surface.

K. Surface/Mineral Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

L. Other Information:

See MDP for additional details on Other Information.

Stipulations:

- Oil/Tar sand lease stipulation:
No surface occupancy from May 15 through July 20.

M. Lessee's or Operators' Representative & Certification:

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724


Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.


Kathy Schneebeck Dulnoan

September 10, 2009
Date



Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779

July 8, 2009

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Exception Location R649-3-3 and Directional Drilling R649-3-11
Bonanza 1023-15H4CS
T10S- R23E
Section 15: NESE/SENE
2204' FSL, 319' FEL (surface)
2450' FNL, 535' FEL (bottom hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-3 and Rule R649-3-11 pertaining to the Exception to Location and Sitting of Wells.

- Kerr-McGee's Bonanza 1023-15H4CS is located within the area covered by Docket No. 2008-011 authorizing the equivalent of an approximate 10-acre well density pattern, and requiring approval for wells drilled at an exception location and wells drilled directionally in accordance with the referenced rules.
- Kerr-McGee is permitting this well at this location for geological reasons. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to minimize surface disturbance.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to Rule R649-3-3 and Rule R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

A handwritten signature in blue ink that reads 'Jessy Pink'.

Jessy Pink
Landman

CULTURAL RESOURCE INVENTORY OF
KERR-MCGEE OIL & GAS ONSHORE LP'S PROPOSED
WELL LOCATIONS: BONANZA #1023-10N DIRECTIONAL PAD,
BONANZA #1023-10N3DS, BONANZA #1023-15I DIRECTIONAL PAD,
BONANZA #1023-15H4CS, BONANZA #1023-15I2AS,
BONANZA #1023-15I4BS, AND BONANZA #1023-15P1BS
(T10S, R23E, SECTIONS 10 AND 15)
UINTAH COUNTY, UTAH

By:

Patricia Stavish

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-046

May 11, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0230b

IPC #09-67

Paleontological Reconnaissance Survey Report

**Survey of Kerr McGee's Proposed Multi-Well Pad, Access Road,
and Pipeline for "Bonanza #1023-15H4CS, I2AS, I4BS,
& P1BS" (Sec. 15, T 10 S, R 23 E)**

Asphalt Wash
Topographic Quadrangle
Uintah County, Utah

April 23, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078



Grasslands Consulting, Inc.

4800 Happy Canyon Road, Suite 110, Denver, CO 80237

(303) 759-5377 Office (303) 759-5324 Fax

SPECIAL STATUS PLANT AND WILDLIFE SPECIES REPORT

Report #: GCI#17

Operator: Kerr-McGee Oil & Gas Onshore LP

Well: Bonanza 1023-15I pad (Bores: Bonanza 1023-15H4CS, Bonanza 1023-15I2AS, Bonanza 1023-15I4BS, and Bonanza 1023-15P1BS).

Pipeline: Proposed pipeline from southwest corner of well pad to intersection with existing pipeline south of location.

Access Road: Proposed access road from existing access road east of location.

Location: Section 15, Township 10 South, Range 23 East; Uintah County, Utah.

Survey-Species: Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*) and nesting raptors.

Date: 05/05/2009

Observer(s): Grasslands Consulting, Inc. Biologists: Nick Hall, Dan Hamilton, and Jonathan Sexauer. Technician: Chad Johnson.

Weather: Partly cloudy, 60-75°F, 5-10mph winds.

Location Map

Box Elder Cache Rich
Hempden Morgan
Davis Salt Lake Summit Daguerre
Tooele Utah Duchesne Uintah
Juab Carbon
Millard Sanpete Emery Grand
Beaver Piute Wayne
Iron Garfield San Juan
Washington Kane



1,100 550 0 1,100 Feet

1:10,646

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/11/2009

API NO. ASSIGNED: 43047507410000

WELL NAME: Bonanza 1023-15H4CS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NESE 15 100S 230E

Permit Tech Review: ☒

SURFACE: 2204 FSL 0319 FEL

Engineering Review: ☒

BOTTOM: 2450 FNL 0535 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 39.94773

LONGITUDE: -109.30417

UTM SURF EASTINGS: 644874.00

NORTHINGS: 4423123.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 38427

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☒ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☒ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 179-14
- Effective Date:** 6/12/2008
- Siting:** 460' fr ext. drilling unit boundary
- ☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Bonanza 1023-15H4CS
API Well Number: 43047507410000
Lease Number: UTU 38427
Surface Owner: FEDERAL
Approval Date: 9/29/2009

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingle:

In accordance with Board Cause No. 179-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

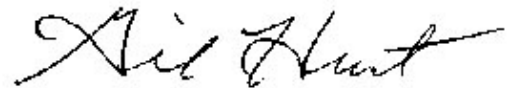
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt", with a stylized, flowing script.

Gil Hunt
Associate Director, Oil & Gas

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 18 2009

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

| | | |
|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. UTU38427 |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone | | 6. If Indian, Allottee or Tribe Name |
| 2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP Contact: DANIELLE E PIERNOT Email: Danielle.Piernot@anadarko.com | | 7. If Unit or CA Agreement, Name and No. |
| 3a. Address PO BOX 173779 DENVER, CO 80202-3779 | 3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156 | 8. Lease Name and Well No. BONANZA 1023-15H4CS |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 2204FSL 319FEL 39.94779 N Lat, 109.30474 W Lon At proposed prod. zone SENE 2450FNL 535FEL 39.94951 N Lat, 109.30557 W Lon | | 9. API Well No. 43 047 50741 |
| 14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 33 MILES SOUTHEAST OF OURAY, UTAH | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 535 FEET | 16. No. of Acres in Lease 640.00 | 11. Sec., T., R., M., or Blk. and Survey or Area Sec 15 T10S R23E Mer SLB |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 445 FEET | 19. Proposed Depth 8033 MD 7920 TVD | 12. County or Parish UINTAH |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.) 5604 GL | 22. Approximate date work will start 09/28/2009 | 13. State UT |
| 23. Estimated duration 60-90 DAYS | | 17. Spacing Unit dedicated to this well |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

| | | |
|--|---|--------------------|
| 25. Signature (Electronic Submission) | Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156 | Date 09/11/2009 |
|--|---|--------------------|

Title
REGULATORY ANALYST I

| | | |
|--|--|-----------------|
| Approved by (Signature) | Name (Printed/Typed) Stephanie J Howard | Date 12/3/09 |
| Title Assistant Field Manager Acting Lands & Mineral Resources | Office VERNAL FIELD OFFICE | |

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #74180 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 09/14/2009

NOTICE OF APPROVAL RECEIVED

DEC 07 2009

BLM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

DIV. OF OIL, GAS & MINING

09GXJ4324AE

1105 5-7-09



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore Location: NESE, Sec. 15, T10S, R23E (S)
Well No: Bonanza 1023-15H4CS Lease No: SENE, Sec. 15, T10S, R23E (B)
API No: 43-047-50741 Agreement: UTU-38427
N/A

OFFICE NUMBER: (435) 781-4400
OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 02/05/07. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 02/05/12 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

| | |
|---|--|
| Location Construction (Notify Environmental Scientist) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion (Notify Environmental Scientist) | - Prior to moving on the drilling rig. |
| Spud Notice (Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing (Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov . |
| BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice (Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

- As agreed upon the onsite the following seed mix will be used for Interim Reclamation:

Interim Reclamation seed mix

| | | |
|----------------------------|---------------------------------------|--------------|
| Ephraim crested wheatgrass | <i>Agropyron cristatum v. Epharim</i> | 1 lbs. /acre |
| bottlebrush squirreltail | <i>Elymus elymoides</i> | 1 lbs. /acre |
| Siberian wheatgrass | <i>Agropyron fragile</i> | 1 lbs. /acre |
| western wheatgrass | <i>Agropyron smithii</i> | 1 lbs. /acre |
| scarlet globemallow | <i>Spaeralcea coccinea</i> | 1 lbs. /acre |
| shadscale | <i>Atriplex confertifolia</i> | 2 lbs. /acre |
| fourwing saltbush | <i>Atriplex canescens</i> | 2 lbs. /acre |

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. Seed shall be applied between August 15 and ground freezing. All seed rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.
- The development of the well pad will not be seen from the White River corridor.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A Gama Ray Log shall be run from TD to surface.

Variances Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/4¹/₄, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L. P.

Well Name: BONANZA 1023-15H4CS

Api No: 43-047-50741 Lease Type: FEDERAL

Section 15 Township 10S Range 23E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 01/31/2010

Time 2:00 PM

How DRY

Drilling will Commence: _____

Reported by JAMES GOBER

Telephone # (435) 828-7024

Date 02/01//2010 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP
Address: P.O. Box 173779
city DENVER
state CO zip 80217

Operator Account Number: N 2995

Phone Number: (720) 929-6100

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| 4304750744 | BONANZA 1023-15P1BS | | NESE | 15 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| <u>A</u> | 99999 | <u>17491</u> | 1/31/2010 | | | <u>2/18/10</u> | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 1/31/2010 AT 10:00 HRS. <u>BHL = SESE</u> | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| 4304750741 | BONANZA 1023-15H4CS | | NESE | 15 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| <u>A</u> | 99999 | <u>17492</u> | 1/31/2010 | | | <u>2/18/10</u> | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 1/31/2010 AT 12:00 HRS. <u>BHL = SENE</u> | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| 4304750742 | BONANZA 1023-15I2AS | | NESE | 15 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| <u>A</u> | 99999 | <u>17493</u> | 1/31/2010 | | | <u>2/18/10</u> | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 1/31/2010 AT 14:00 HRS. <u>BHL = NESE</u> | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
FEB 01 2010

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

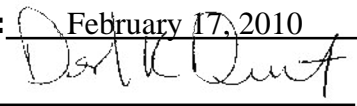
Title

2/1/2010

Date

| | | |
|---|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: Bonanza 1023-15H4CS |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/9/2010 | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> OTHER | OTHER: |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PROPETRO AIR RIG ON 02/06/2010. DRILLED 11" SURFACE HOLE TO 1950'. RAN 8 5/8 28# J-55 SURFACE CASING. TEST LINES TO 2000 PSI, PUMP 125 BBLS H2O, PUMP 20 BBLS GEL WATER. PUMP 225 SX 15.8 # 1.15 YLD 5 GAL/SK TAIL CLASS G PREMIUM LITE CMNT. DROP PLUG ON FLY DISPLACE W/119 BBLS FRESH WATER, 90 PSI LIFT, NO RETURNS. PUMP PLUG W/ 1250 PSI, TOP OUT W/ 100 SX OF 15.8# 1.15 YLD 5 GAL SK 4% CLASS G PREMIUM LITE CMNT. WAIT 2 HRS, PUMP 100 SX SAME CMNT. WAIT 24 HRS, PUMP 275 SX SAME CMNT. CEMENT TO SURFACE. WORT | | |
| <div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 10, 2010 </div> | | |
| NAME (PLEASE PRINT) Laura Gianakos | PHONE NUMBER 307 752-1169 | TITLE Regulatory Affairs Supervisor |
| SIGNATURE N/A | DATE 2/9/2010 | |

| | | |
|---|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 |
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| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: Bonanza 1023-15H4CS |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/31/2010 | <input type="checkbox"/> CASING REPAIR | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 01/31/2010 AT 12:00 HRS. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 16, 2010 | | |
| NAME (PLEASE PRINT) Andy Lytle | PHONE NUMBER 720 929-6100 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 2/1/2010 | |

| | | | | | |
|--|---|--|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
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| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| COUNTY: UINTAH | | STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/22/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: |
| <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you. | | | | | |
| Accepted by the Utah Division of Oil, Gas and Mining Date: February 17, 2010 By:  | | | | | |
| NAME (PLEASE PRINT) Danielle Piernot | | PHONE NUMBER 720 929-6156 | | | |
| TITLE Regulatory Analyst | | DATE 2/16/2010 | | | |
| SIGNATURE N/A | | | | | |

KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

| | | | | | |
|-------------------|---|------------|-------------------|--------------------|-------------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | DATE | February 16, 2010 | | |
| WELL NAME | Bonanza 1023-15H4CS | TD | 7,920' | TVD | 8,033' MD |
| FIELD | Natural Buttes | COUNTY | Uintah | STATE | Utah |
| | | | | FINISHED ELEVATION | 5,603' |
| SURFACE LOCATION | NE/4 SE/4 | 2,204' FSL | 319' FEL | Sec 15 | T 10S R 23E |
| | Latitude: | 39.947789 | Longitude: | -109.304744 | NAD 83 |
| BTM HOLE LOCATION | SE/4 NE/4 | 2,450' FNL | 535' FEL | Sec 15 | T 10S R 23E |
| | Latitude: | 39.949514 | Longitude: | -109.305569 | NAD 83 |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept. | | | | |

| GEOLOGICAL | | | MECHANICAL | | |
|--|---------------------|-------------------------|------------|---|--------------------------------------|
| LOGS | FORMATION TOPS | DEPTH | HOLE SIZE | CASING SIZE | MUD WEIGHT |
| | | 40' | | 14" | |
| | | | 11" | 8-5/8", 28#, IJ-55, LTC | Air mist |
| <p>All water flows encountered while drilling will be reported to the appropriate agencies.</p> | | | | | |
| | Green River @ | 979' | | | |
| | Top of Birds Nest @ | 1,335' | | | |
| | Mahogany @ | 1,843' | | | |
| | Preset f/ GL @ | 1,990' | | | |
| | MD | | | | |
| <p>Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.</p> | | | | | |
| | Wasatch @ | 3,979' | | | |
| <p>Mud logging program TBD Cased hole logging program from TD - surf csg</p> | | | | | |
| | | | 7-7/8" | 4-1/2" 11.6# I-80 or equivalent BTC csg | Water / Fresh Water Mud 8.3-11.6 ppg |
| | Mverde @ | 5,757' TVD | | | |
| | MVU2 @ | 6,736' TVD | | | |
| | MVU1 @ | 7,331' TVD | | | |
| <p>Max anticipated Mud required 11.6 ppg</p> | | | | | |
| | TD @ | 7,920' TVD 8,033' MD | | | |



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | |
|------------|--------|------------|-------|-------|-------|----------------|----------|---------|
| | | | | | | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-40' | | | | | | |
| | | | | | | 3,390 | 1,880 | 348,000 |
| SURFACE | 8-5/8" | 0 to 1,990 | 28.00 | IJ-55 | LTC | 1.10 | 2.02 | 6.18 |
| | | | | | | 7,780 | 6,350 | 278,000 |
| PRODUCTION | 4-1/2" | 0 to 8,033 | 11.60 | I-80 | BTC | 2.56 | 1.33 | 3.42 |
| | | | | | | | | |

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above.

D.F. = 2.70

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg)

0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2,945 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg)

0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 4,754 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------|----------------------|-------------|---|---------|--------|--------|-------|
| SURFACE | LEAD | 500' | Premium cmt + 2% CaCl | 215 | 60% | 15.60 | 1.18 |
| | | | + 0.25 pps flocele | | | | |
| Option 1 | | | | | | | |
| | TOP OUT CMT (6 jobs) | 1,200' | 20 gals sodium silicate + Premium cmt | 260 | 0% | 15.60 | 1.18 |
| | | | + 2% CaCl + 0.25 pps flocele | | | | |
| | | | Premium cmt + 2% CaCl | | | | |
| SURFACE | | | NOTE: If well will circulate water to surface, option 2 will be utilized | | | | |
| Option 2 | LEAD | 1,490' | 65/35 Poz + 6% Gel + 10 pps gilsonite | 290 | 35% | 12.60 | 1.81 |
| | | | + 0.25 pps Flocele + 3% salt BWOW | | | | |
| | TAIL | 500' | Premium cmt + 2% CaCl | 150 | 35% | 15.60 | 1.18 |
| | | | + 0.25 pps flocele | | | | |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 5,363' | Premium Lite II +0.25 pps | 460 | 40% | 11.00 | 3.38 |
| | | | celloflake + 5 pps gilsonite + 10% gel | | | | |
| | | | + 0.5% extender | | | | |
| | TAIL | 2,670' | 50/50 Poz/G + 10% salt + 2% gel | 660 | 40% | 14.30 | 1.31 |
| | | | + 0.1% R-3 | | | | |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|--|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe |
| | |
| PRODUCTION | Float shoe, 1 jt, float collar. No centralizers will be used. |
| | |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

John Huycke / Emile Goodwin

DATE:

DRILLING SUPERINTENDENT:

John Merkel / Lovel Young

DATE:

| | | |
|---|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: Bonanza 1023-15H4CS |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/27/2010 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. FINISHED DRILLING FROM 1950' TO 8036' ON 3/26/2010. RAN 4.5" 11.6# I-80 PRODUCTION CASING. RIGGED UP & PUMP 40 BBLs SPACER. LEAD CM W/583 SKS CLASS G PREM LITE @ 11.8 PPG, 2.42 YIELD. TAILED CMT W/56 SKS CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACE W/124 BBLs WATER, BUMPED PLUG, FLOATS HELD, 1 BBL BACK TO TRUCK, 40 BBLs CEMENT TO SURFACE. RELEASE ENSIGN 146 RIG ON 3/27/2010 AT 18:00 HRS. | | |
| <div style="display: flex; justify-content: space-between;"> <div> NAME (PLEASE PRINT) Andy Lytle </div> <div> PHONE NUMBER 720 929-6100 </div> <div> TITLE Regulatory Analyst </div> </div> | | |
| <div style="display: flex; justify-content: space-between;"> <div> SIGNATURE N/A </div> <div> DATE 3/29/2010 </div> </div> | | |

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 March 29, 2010

| | | | |
|---|--|--|--|
| <div>STATE OF UTAH</div> <div>DEPARTMENT OF NATURAL RESOURCES</div> <div>DIVISION OF OIL, GAS, AND MINING</div> | | <div>FORM 9</div> <div>5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427</div> | |
| <div>SUNDRY NOTICES AND REPORTS ON WELLS</div> <div>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</div> | | <div>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</div> <div>7.UNIT or CA AGREEMENT NAME:</div> | |
| <div>1. TYPE OF WELL</div> <div>Gas Well</div> | | <div>8. WELL NAME and NUMBER:</div> <div>Bonanza 1023-15H4CS</div> | |
| <div>2. NAME OF OPERATOR:</div> <div>KERR-MCGEE OIL & GAS ONSHORE, L.P.</div> | | <div>9. API NUMBER:</div> <div>43047507410000</div> | |
| <div>3. ADDRESS OF OPERATOR:</div> <div>P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779</div> | | <div>PHONE NUMBER:</div> <div>720 929-6007 Ext</div> | <div>9. FIELD and POOL or WILDCAT:</div> <div>NATURAL BUTTES</div> |
| <div>4. LOCATION OF WELL</div> <div>FOOTAGES AT SURFACE:</div> <div>2204 FSL 0319 FEL</div> <div>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</div> <div>Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S</div> | | <div>COUNTY:</div> <div>UINTAH</div> <div>STATE:</div> <div>UTAH</div> | |
| <div>11.</div> <div>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</div> | | | |
| <div>TYPE OF SUBMISSION</div> <div> <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: </div> <div> <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: </div> <div> <input type="checkbox"/> SPUD REPORT Date of Spud: </div> <div> <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/5/2010 </div> | | <div>TYPE OF ACTION</div> <div> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </div> | |
| <div>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</div> <div> THE SUBJECT WELL WAS PLACED ON PRODUCTION ON MAY 4, 2010 AT 10:00 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT. <div> <div>Accepted by the</div> <div>Utah Division of</div> <div>Oil, Gas and Mining</div> <div>FOR RECORD ONLY</div> <div>May 05, 2010</div> </div> </div> | | | |
| <div>NAME (PLEASE PRINT)</div> <div>Andy Lytle</div> | | <div>PHONE NUMBER</div> <div>720 929-6100</div> | <div>TITLE</div> <div>Regulatory Analyst</div> |
| <div>SIGNATURE</div> <div>N/A</div> | | <div>DATE</div> <div>5/5/2010</div> | |

| | | | | | |
|---|--|--|---|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 | | | |
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| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: Bonanza 1023-15H4CS | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 | | | |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| COUNTY: UINTAH | | STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/22/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION |
| <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, LP is requesting to refurb the existing pit on this multi-well pad for completion operations. The refurb pit will be relined per the requirements in the COA of the APD. Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as a ECOFRAC staging pit to be utilized for other completion operations in the area. There will be 2-400 bbl skim tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The purpose of the skim tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. We plan to keep this pit open for 1 year. During this time the surrounding well location completion fluids will be recycled in this pit and utilized for other frac jobs in the surrounding sections. Thank you. | | | | | |
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst | | | |
| SIGNATURE N/A | DATE 2/16/2010 | | | | |

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: Bonanza 1023-15H4CS |
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| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/27/2010 | | | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 FINISHED DRILLING FROM 1950' TO 8036' ON 3/26/2010. RAN 4.5" 11.6# I-80 PRODUCTION CASING. RIGGED UP & PUMP 40 BBLs SPACER. LEAD CM W/583 SKS CLASS G PREM LITE @ 11.8 PPG, 2.42 YIELD. TAILED CMT W/56 SKS CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACE W/124 BBLs WATER, BUMPED PLUG, FLOATS HELD, 1 BBL BACK TO TRUCK, 40 BBLs CEMENT TO SURFACE. RELEASE ENSIGN 146 RIG ON 3/27/2010 AT 18:00 HRS.

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Andy Lytle | PHONE NUMBER 720 929-6100 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 3/29/2010 | |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 29, 2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| 4304750741 | BONANZA 1023-15H4CS | | NESE | 15 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| E | 17492 | 17492 | 1/31/2010 | | | 5/4/10 | |
| Comments: THIS WELL IS PRODUCING OUT OF THE MVRD ONLY. — 7/13/10 | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to new entity
- E - Other (Explain in 'comments' section)

RECEIVED

JUL 13 2010

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

Title

7/13/2010

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCOPYFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU384271a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
KERR-MCGEE OIL&GAS ONSHORE LLC
Contact: ANDY LYTLE
Email: andrew.lytle@anadarko.com8. Lease Name and Well No.
BONANZA 1023-15H4CS3. Address P.O. BOX 173779
DENVER, CO 802173a. Phone No. (include area code)
Ph: 720-929-61009. API Well No.
43-047-50741

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NESE 2204FSL 319FEL 39.94779 N Lat, 109.30474 W Lon

At top prod interval reported below SENE 2445FNL 559FEL

At total depth SENE 2454FNL 538FEL

10. Field and Pool, or Exploratory
NATURAL BUTTES11. Sec., T., R., M., or Block and Survey
or Area Sec 15 T10S R23E Mer SLB12. County or Parish
UINTAH13. State
UT14. Date Spudded
01/31/201015. Date T.D. Reached
03/26/201016. Date Completed
☐ D & A ☒ Ready to Prod.
05/04/201017. Elevations (DF, KB, RT, GL)*
5603 GL18. Total Depth: MD 8036
TVD 794719. Plug Back T.D.: MD 8004
TVD 791520. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
☒ RAL-RPM22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|--------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 20.000 | 14.000 STEEL | 36.7 | | 40 | | 28 | | | |
| 11.000 | 8.625 IJ55 | 28.0 | | 1915 | | 650 | | | |
| 7.875 | 4.500 I80 | 11.6 | | 8026 | | 1151 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 7473 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) MESAVERDE | 6462 | 7916 | 6462 TO 7916 | 0.360 | 228 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 6462 TO 7916 | PMP 8,015 BBLs SLICK H2O & 319,610 LBS 30/50 SD. |
| | |
| | |
| | |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 05/04/2010 | 05/19/2010 | 24 | → | 0.0 | 2231.0 | 242.0 | | | FLows FROM WELL |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 20/64 | SI 861 | 1314.0 | → | 0 | 2231 | 242 | | PGW | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | SI | | → | | | | | | |

RECEIVED

JUN 02 2010

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #87163 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DIV OF OIL, GAS & MINING

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

28c. Production - Interval D

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top |
|-------------|------|--------|------------------------------|------|-------------|
| | | | | | Meas. Depth |
| GREEN RIVER | 982 | | | | |
| BIRD'S NEST | 1221 | | | | |
| MAHOGANY | 1811 | | | | |
| WASATCH | 4073 | 5855 | | | |
| MESAVERDE | 5855 | 8036 | TD | | |

32. Additional remarks (include plugging procedure):

ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #87163 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (please print) ANDY LYTLETitle REGULATORY ANALYST

Signature

(Electronic Submission)

Date 05/28/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

BONANZA 1023-15I PAD

Bonanza 1023-15H4CS

Bonanza 1023-15H4CS

Design: Bonanza 1023-15H4CS

Standard Survey Report

30 March, 2010



Weatherford®

Project: UINAH COUNTY, UTAH (nad 27)
 Site: BONANZA 1023-15I PAD
 Well: Bonanza 1023-15H4CS
 Wellbore: Bonanza 1023-15H4CS
 Section: SECTION 15 T10S R23E
 SHL: 2204' FSL & 319' FEL
 Design: Bonanza 1023-15H4CS
 Latitude: 39° 56' 52.160 N
 Longitude: 109° 18' 14.650 W
 GL: 5603.00
 KB: WELL @ 5617.00ft (Original Well Elev)



Weatherford



Azimuths to True North
 Magnetic North: 11.16°

Magnetic Field
 Strength: 52460.3anT
 Dip Angle: 65.92°
 Date: 3/22/2010
 Model: BGGM2009

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------|
| 4100.00 | 4190.79 | WASATCH |
| 6900.00 | 6991.66 | MESAVERDE |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|--------|------|
| 1904.36 | 1905.80 | 8 5/8" | 8.62 |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N-S | +E-W | DLeg | TFace | VSoc | Annotation |
|---------|-------|--------|---------|--------|---------|------|--------|--------|----------------------------------|
| 1899.00 | 2.06 | 345.26 | 1897.57 | 64.67 | 4.97 | 0.00 | 0.00 | 58.97 | Start 107.00 hold at 1899.00 MD |
| 2006.00 | 2.06 | 345.26 | 2004.50 | 68.39 | 3.99 | 0.00 | 0.00 | 62.80 | Start DLS 3.00 TFO -9.10 |
| 2604.88 | 20.00 | 337.06 | 2589.93 | 174.00 | -39.02 | 3.00 | -9.10 | 176.77 | Start 936.89 hold at 2604.88 MD |
| 3541.76 | 20.00 | 337.06 | 3470.29 | 469.14 | -163.92 | 0.00 | 0.00 | 496.88 | Start Drop -2.00 |
| 4541.91 | 0.00 | 0.00 | 4450.25 | 628.29 | -231.28 | 2.00 | 180.00 | 669.51 | Start 3468.75 hold at 4541.91 MD |
| 8010.66 | 0.00 | 0.00 | 7919.00 | 628.29 | -231.28 | 0.00 | 0.00 | 669.51 | TD at 8010.66 |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

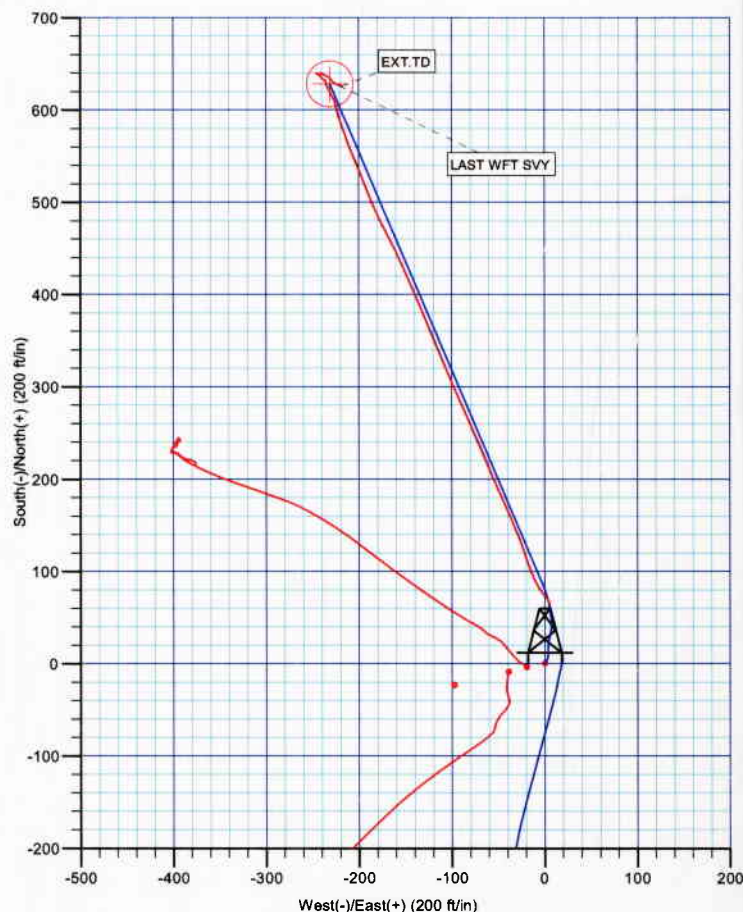
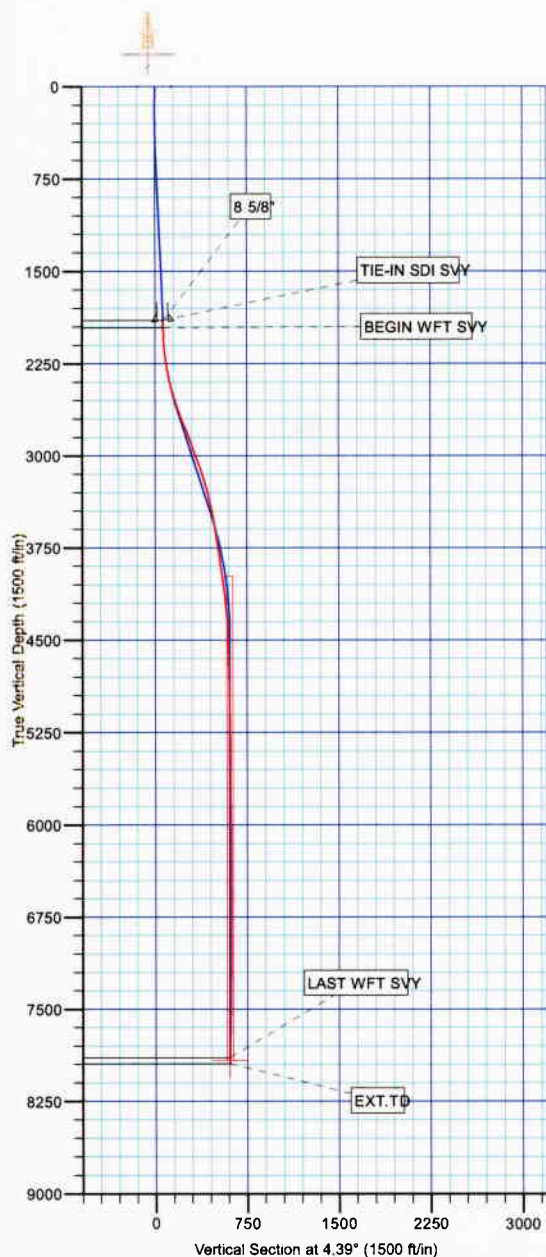
| Name | TVD | +N-S | +E-W | Latitude | Longitude | Shape |
|------|---------|--------|---------|------------------|-------------------|------------------------|
| PBHL | 7919.00 | 628.29 | -231.28 | 39° 56' 58.370 N | 109° 18' 17.620 W | Circle (Radius: 25.00) |

WELL DETAILS: Bonanza 1023-15H4CS

| +N-S | +E-W | North | Ground Level: | 5603.00 | Longitude | Slot |
|------|------|-------------|---------------|------------|------------------|-------------------|
| 0.00 | 0.00 | 14511582.47 | Easting | 2115749.73 | 39° 56' 52.160 N | 109° 18' 14.650 W |

LEGEND

- BONANZA 1023-15H EXISTING, BONANZA 1023-15H EXISTING, BONANZA 1023-15H EXISTING V0
- BONANZA 1023-15H4CS, BONANZA 1023-15H4CS, PLAN #1 1-27-10 RHB V0
- BONANZA 1023-152AS, BONANZA 1023-152AS, BONANZA 1023-152AS V0
- BONANZA 1023-154AB, BONANZA 1023-154AB, BONANZA 1023-154AB V0
- BONANZA 1023-15P1BS, BONANZA 1023-15P1BS, PLAN #1 1-27-10 RHB V0
- BWD #3 EXISTING, BWD #3 EXISTING, BWD #3 EXISTING V0
- BONANZA 1023-15H4CS
- Survey #1



Survey: Survey #1 (Bonanza 1023-15H4CS/Bonanza 1023-15H4CS)

Created By: Robert H. Scott Date: 7:48, March 30 2010

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UINTAH COUNTY, UTAH (nad 27), | | |
| Map System: | Universal Transverse Mercator (US Survey Fee | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

Site BONANZA 1023-15I PAD, SECTION 15 T10S R23E

Site Position: Northing: 14,511,552.63 ft Latitude: 39° 56' 52.070 N
From: Lat/Long Easting: 2,115,710.97 ft Longitude: 109° 18' 15.150 W
Position Uncertainty: 0.00 ft Slot Radius: in Grid Convergence: 1.09 °

Well Bonanza 1023-15H4CS
Well Position +N/-S 0.00 ft Northing: 14,511,562.47 ft Latitude: 39° 56' 52.160 N
+ E/-W 0.00 ft Easting: 2,115,749.73 ft Longitude: 109° 18' 14.650 W
Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 5,603.00 ft

Wellbore Bonanza 1023-15H4CS

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | BGGM2009 | 3/22/2010 | 11.16 | 65.92 | 52,460 |

Design Bonanza 1023-15H4CS

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|-------------------|-----------------------|------------|------------|---------------|
| | 0.00 | 0.00 | 0.00 | 4.39 |

Survey Program Date 3/30/2010

| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
|-----------|----------|------------------------------------|-----------|----------------|
| 279.00 | 1,899.00 | SCIENTIFIC MWD (Bonanza 1023-15H4C | MWD | MWD - Standard |
| 1,960.00 | 8,036.00 | Survey #1 (Bonanza 1023-15H4CS) | MWD | MWD - Standard |

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279.00 | 0.26 | 94.77 | 279.00 | -0.05 | 0.63 | 0.00 | 0.09 | 0.09 | 0.00 |
| 369.00 | 0.70 | 20.54 | 369.00 | 0.45 | 1.03 | 0.52 | 0.75 | 0.49 | -82.48 |
| 459.00 | 2.05 | 22.88 | 458.97 | 2.44 | 1.85 | 2.58 | 1.50 | 1.50 | 2.60 |
| 549.00 | 2.70 | 17.05 | 548.89 | 5.95 | 3.09 | 6.17 | 0.77 | 0.72 | -6.48 |
| 639.00 | 2.81 | 358.11 | 638.79 | 10.18 | 3.64 | 10.43 | 1.01 | 0.12 | -21.04 |
| 729.00 | 3.01 | 2.82 | 728.67 | 14.75 | 3.69 | 14.99 | 0.35 | 0.22 | 5.23 |
| 819.00 | 2.63 | 355.71 | 818.56 | 19.17 | 3.65 | 19.39 | 0.57 | -0.42 | -7.90 |
| 909.00 | 2.53 | 14.60 | 908.47 | 23.15 | 3.99 | 23.39 | 0.95 | -0.11 | 20.99 |
| 999.00 | 2.69 | 11.45 | 998.38 | 27.14 | 4.91 | 27.44 | 0.24 | 0.18 | -3.50 |
| 1,089.00 | 2.51 | 11.55 | 1,088.29 | 31.14 | 5.73 | 31.49 | 0.20 | -0.20 | 0.11 |
| 1,179.00 | 2.55 | 10.02 | 1,178.20 | 35.05 | 6.47 | 35.44 | 0.09 | 0.04 | -1.70 |

Company: ANADARKO PETROLEUM CORP.
Project: Uintah County, Utah (nad 27)
Site: Bonanza 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|-----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 1,269.00 | 2.46 | 10.55 | 1,268.11 | 38.92 | 7.17 | 39.35 | 0.10 | -0.10 | 0.59 |
| 1,359.00 | 1.73 | 0.53 | 1,358.05 | 42.17 | 7.54 | 42.63 | 0.90 | -0.81 | -11.13 |
| 1,449.00 | 2.52 | 354.84 | 1,447.99 | 45.50 | 7.37 | 45.93 | 0.91 | 0.88 | -6.32 |
| 1,539.00 | 2.89 | 357.49 | 1,537.89 | 49.74 | 7.10 | 50.14 | 0.43 | 0.41 | 2.94 |
| 1,629.00 | 2.74 | 342.69 | 1,627.78 | 54.06 | 6.36 | 54.39 | 0.82 | -0.17 | -16.44 |
| 1,719.00 | 2.22 | 358.43 | 1,717.70 | 57.86 | 5.67 | 58.12 | 0.95 | -0.58 | 17.49 |
| 1,809.00 | 2.24 | 356.08 | 1,807.63 | 61.35 | 5.50 | 61.59 | 0.10 | 0.02 | -2.61 |
| TIE-IN SDI SVY | | | | | | | | | |
| 1,899.00 | 2.06 | 345.26 | 1,897.57 | 64.67 | 4.97 | 64.86 | 0.49 | -0.20 | -12.02 |
| BEGIN WFT SVY | | | | | | | | | |
| 1,960.00 | 1.99 | 350.31 | 1,958.53 | 66.78 | 4.51 | 66.93 | 0.31 | -0.11 | 8.28 |
| 2,051.00 | 3.81 | 320.91 | 2,049.41 | 70.68 | 2.34 | 70.65 | 2.52 | 2.00 | -32.31 |
| 2,141.00 | 7.13 | 321.41 | 2,138.99 | 77.37 | -3.03 | 76.91 | 3.69 | 3.69 | 0.56 |
| 2,232.00 | 9.19 | 334.16 | 2,229.07 | 88.33 | -9.72 | 87.32 | 3.00 | 2.26 | 14.01 |
| 2,323.00 | 12.00 | 340.16 | 2,318.52 | 103.77 | -16.10 | 102.23 | 3.31 | 3.09 | 6.59 |
| 2,413.00 | 14.76 | 340.93 | 2,406.06 | 123.41 | -23.02 | 121.28 | 3.07 | 3.07 | 0.86 |
| 2,504.00 | 17.63 | 337.54 | 2,493.45 | 147.11 | -32.08 | 144.22 | 3.32 | 3.15 | -3.73 |
| 2,595.00 | 21.13 | 335.79 | 2,579.28 | 174.81 | -44.07 | 170.92 | 3.90 | 3.85 | -1.92 |
| 2,686.00 | 22.81 | 337.41 | 2,663.67 | 206.06 | -57.58 | 201.04 | 1.96 | 1.85 | 1.78 |
| 2,776.00 | 24.94 | 337.04 | 2,745.96 | 239.64 | -71.68 | 233.44 | 2.37 | 2.37 | -0.41 |
| 2,867.00 | 23.88 | 336.16 | 2,828.83 | 274.15 | -86.61 | 266.71 | 1.23 | -1.16 | -0.97 |
| 2,958.00 | 22.25 | 336.16 | 2,912.55 | 306.76 | -101.02 | 298.12 | 1.79 | -1.79 | 0.00 |
| 3,048.00 | 22.63 | 338.66 | 2,995.74 | 338.48 | -114.21 | 328.73 | 1.14 | 0.42 | 2.78 |
| 3,139.00 | 22.06 | 337.29 | 3,079.90 | 370.55 | -127.18 | 359.72 | 0.85 | -0.63 | -1.51 |
| 3,230.00 | 20.13 | 336.04 | 3,164.80 | 400.63 | -140.14 | 388.71 | 2.18 | -2.12 | -1.37 |
| 3,320.00 | 19.19 | 337.16 | 3,249.55 | 428.41 | -152.17 | 415.49 | 1.13 | -1.04 | 1.24 |
| 3,411.00 | 15.38 | 332.54 | 3,336.43 | 452.91 | -163.54 | 439.05 | 4.45 | -4.19 | -5.08 |
| 3,502.00 | 13.25 | 333.29 | 3,424.60 | 472.94 | -173.79 | 458.23 | 2.35 | -2.34 | 0.82 |
| 3,592.00 | 11.19 | 335.54 | 3,512.56 | 490.10 | -182.05 | 474.72 | 2.35 | -2.29 | 2.50 |
| 3,683.00 | 10.31 | 338.41 | 3,601.96 | 505.71 | -188.70 | 489.77 | 1.13 | -0.97 | 3.15 |
| 3,773.00 | 10.88 | 339.04 | 3,690.43 | 521.13 | -194.70 | 504.69 | 0.65 | 0.63 | 0.70 |
| 3,864.00 | 10.75 | 338.29 | 3,779.81 | 537.04 | -200.91 | 520.07 | 0.21 | -0.14 | -0.82 |
| 3,954.00 | 8.50 | 335.29 | 3,868.54 | 550.88 | -206.80 | 533.42 | 2.56 | -2.50 | -3.33 |
| 4,045.00 | 8.50 | 341.91 | 3,958.54 | 563.38 | -211.70 | 545.51 | 1.07 | 0.00 | 7.27 |
| 4,136.00 | 8.44 | 342.79 | 4,048.55 | 576.15 | -215.76 | 557.93 | 0.16 | -0.07 | 0.97 |
| 4,226.00 | 7.81 | 337.56 | 4,137.65 | 588.12 | -220.05 | 569.53 | 1.08 | -0.70 | -5.81 |
| 4,317.00 | 6.25 | 347.66 | 4,227.96 | 598.67 | -223.47 | 579.79 | 2.18 | -1.71 | 11.10 |
| 4,408.00 | 4.44 | 344.79 | 4,318.56 | 606.91 | -225.45 | 587.85 | 2.01 | -1.99 | -3.15 |
| 4,498.00 | 2.50 | 330.66 | 4,408.39 | 611.98 | -227.33 | 592.77 | 2.34 | -2.16 | -15.70 |
| 4,589.00 | 2.31 | 330.66 | 4,499.31 | 615.31 | -229.20 | 595.94 | 0.21 | -0.21 | 0.00 |
| 4,679.00 | 2.38 | 337.54 | 4,589.24 | 618.62 | -230.80 | 599.12 | 0.32 | 0.08 | 7.64 |
| 4,770.00 | 2.13 | 334.54 | 4,680.17 | 621.89 | -232.25 | 602.27 | 0.30 | -0.27 | -3.30 |
| 4,861.00 | 1.81 | 335.04 | 4,771.11 | 624.72 | -233.59 | 604.99 | 0.35 | -0.35 | 0.55 |
| 4,951.00 | 1.44 | 334.29 | 4,861.08 | 627.03 | -234.68 | 607.21 | 0.41 | -0.41 | -0.83 |
| 5,042.00 | 1.31 | 340.04 | 4,952.05 | 629.04 | -235.53 | 609.15 | 0.21 | -0.14 | 6.32 |
| 5,133.00 | 0.88 | 350.29 | 5,043.04 | 630.70 | -236.00 | 610.77 | 0.52 | -0.47 | 11.26 |
| 5,223.00 | 0.44 | 345.54 | 5,133.03 | 631.72 | -236.20 | 611.77 | 0.49 | -0.49 | -5.28 |
| 5,314.00 | 0.19 | 356.91 | 5,224.03 | 632.21 | -236.30 | 612.25 | 0.28 | -0.27 | 12.49 |
| 5,405.00 | 0.06 | 194.54 | 5,315.03 | 632.31 | -236.32 | 612.35 | 0.27 | -0.14 | -178.43 |
| 5,495.00 | 0.25 | 115.66 | 5,405.03 | 632.18 | -236.15 | 612.23 | 0.27 | 0.21 | -87.64 |
| 5,586.00 | 0.75 | 275.16 | 5,496.03 | 632.15 | -236.57 | 612.17 | 1.09 | 0.55 | 175.27 |
| 5,677.00 | 1.38 | 316.41 | 5,587.01 | 633.00 | -237.92 | 612.91 | 1.05 | 0.69 | 45.33 |
| 5,767.00 | 0.94 | 301.91 | 5,676.99 | 634.17 | -239.29 | 613.98 | 0.58 | -0.49 | -16.11 |
| 5,858.00 | 0.69 | 317.66 | 5,767.98 | 634.97 | -240.29 | 614.70 | 0.37 | -0.27 | 17.31 |

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,949.00 | 0.31 | 298.29 | 5,858.98 | 635.49 | -240.88 | 615.17 | 0.45 | -0.42 | -21.29 |
| 6,040.00 | 1.44 | 319.91 | 5,949.97 | 636.49 | -241.83 | 616.09 | 1.27 | 1.24 | 23.76 |
| 6,130.00 | 1.19 | 309.66 | 6,039.94 | 637.95 | -243.28 | 617.44 | 0.38 | -0.28 | -11.39 |
| 6,221.00 | 0.69 | 304.41 | 6,130.93 | 638.86 | -244.46 | 618.26 | 0.56 | -0.55 | -5.77 |
| 6,311.00 | 0.50 | 299.79 | 6,220.93 | 639.36 | -245.25 | 618.70 | 0.22 | -0.21 | -5.13 |
| 6,402.00 | 0.31 | 290.91 | 6,311.92 | 639.65 | -245.82 | 618.94 | 0.22 | -0.21 | -9.76 |
| 6,493.00 | 0.06 | 293.79 | 6,402.92 | 639.75 | -246.10 | 619.02 | 0.27 | -0.27 | 3.16 |
| 6,583.00 | 0.44 | 84.91 | 6,492.92 | 639.80 | -245.79 | 619.09 | 0.55 | 0.42 | 167.91 |
| 6,674.00 | 0.81 | 111.54 | 6,583.92 | 639.60 | -244.85 | 618.96 | 0.51 | 0.41 | 29.26 |
| 6,764.00 | 0.88 | 124.91 | 6,673.91 | 638.97 | -243.69 | 618.42 | 0.23 | 0.08 | 14.86 |
| 6,855.00 | 1.06 | 124.41 | 6,764.89 | 638.09 | -242.42 | 617.65 | 0.20 | 0.20 | -0.55 |
| 6,945.00 | 0.81 | 37.04 | 6,854.89 | 638.13 | -241.35 | 617.77 | 1.45 | -0.28 | -97.08 |
| 7,036.00 | 0.75 | 16.54 | 6,945.88 | 639.22 | -240.79 | 618.89 | 0.31 | -0.07 | -22.53 |
| 7,127.00 | 0.38 | 78.79 | 7,036.87 | 639.84 | -240.33 | 619.55 | 0.73 | -0.41 | 68.41 |
| 7,218.00 | 0.50 | 125.54 | 7,127.87 | 639.67 | -239.71 | 619.43 | 0.40 | 0.13 | 51.37 |
| 7,308.00 | 1.38 | 134.66 | 7,217.86 | 638.68 | -238.62 | 618.53 | 0.99 | 0.98 | 10.13 |
| 7,399.00 | 1.50 | 112.29 | 7,308.83 | 637.46 | -236.74 | 617.45 | 0.63 | 0.13 | -24.58 |
| 7,490.00 | 1.50 | 110.66 | 7,399.80 | 636.59 | -234.52 | 616.75 | 0.05 | 0.00 | -1.79 |
| 7,580.00 | 1.63 | 132.04 | 7,489.77 | 635.32 | -232.47 | 615.64 | 0.66 | 0.14 | 23.76 |
| 7,671.00 | 1.94 | 140.41 | 7,580.72 | 633.26 | -230.53 | 613.74 | 0.44 | 0.34 | 9.20 |
| 7,762.00 | 1.88 | 131.16 | 7,671.67 | 631.09 | -228.42 | 611.74 | 0.34 | -0.07 | -10.16 |
| 7,853.00 | 2.06 | 125.79 | 7,762.62 | 629.15 | -225.97 | 609.99 | 0.28 | 0.20 | -5.90 |
| LAST WFT SVY | | | | | | | | | |
| 7,986.00 | 2.75 | 110.53 | 7,895.50 | 626.64 | -221.04 | 607.86 | 0.70 | 0.52 | -11.47 |
| EXT. TD | | | | | | | | | |
| 8,036.00 | 2.75 | 110.53 | 7,945.44 | 625.80 | -218.80 | 607.20 | 0.00 | 0.00 | 0.00 |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|----------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 1,899.00 | 1,897.57 | 64.67 | 4.97 | TIE-IN SDI SVY |
| 1,960.00 | 1,958.53 | 66.78 | 4.51 | BEGIN WFT SVY |
| 7,986.00 | 7,895.50 | 626.64 | -221.04 | LAST WFT SVY |
| 8,036.00 | 7,945.44 | 625.80 | -218.80 | EXT. TD |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

BONANZA 1023-15I PAD

Bonanza 1023-15H4CS

Bonanza 1023-15H4CS

Design: Bonanza 1023-15H4CS

Survey Report - Geographic

30 March, 2010



Weatherford®

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UINTAH COUNTY, UTAH (nad 27), | | |
| Map System: | Universal Transverse Mercator (US Survey Fee | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | | | | | | | |
|-----------------------|--|-----------|--|------------------|--|--|--|-------------------|--|-------------------|--|
| Site | | | | | | BONANZA 1023-15I PAD, SECTION 15 T10S R23E | | | | | |
| Site Position: | | Northing: | | 14,511,552.63 ft | | Latitude: | | 39° 56' 52.070 N | | | |
| From: | | Lat/Long | | Easting: | | 2,115,710.97 ft | | Longitude: | | 109° 18' 15.150 W | |
| Position Uncertainty: | | 0.00 ft | | Slot Radius: | | in | | Grid Convergence: | | 1.09 ° | |

| | | | | | | |
|-----------------------------|---------------------|---------|----------------------------|------------------|----------------------|-------------------|
| Well | Bonanza 1023-15H4CS | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 14,511,562.47 ft | Latitude: | 39° 56' 52.160 N |
| | +E/-W | 0.00 ft | Easting: | 2,115,749.73 ft | Longitude: | 109° 18' 14.650 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 5,603.00 ft |

| | | | | | |
|------------------|---------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Bonanza 1023-15H4CS | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2009 | 3/22/2010 | 11.16 | 65.92 | 52,460 |

| | | | | | |
|--------------------------|-------------------------|-------------------|-------------------|----------------------|------|
| Design | Bonanza 1023-15H4CS | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 4.39 | |

| | | | | | |
|-----------------------|----------------|------------------------------------|------------------|--------------------|--|
| Survey Program | Date | 3/30/2010 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 279.00 | 1,899.00 | SCIENTIFIC MWD (Bonanza 1023-15H4C | MWD | MWD - Standard | |
| 1,960.00 | 8,036.00 | Survey #1 (Bonanza 1023-15H4CS) | MWD | MWD - Standard | |



Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude |
|-----------------------|-----------------|-------------|---------------------|------------|------------|-------------------|------------------|------------------|-------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14,511,562.47 | 2,115,749.73 | 39° 56' 52.160 N | 109° 18' 14.650 W |
| 279.00 | 0.26 | 94.77 | 279.00 | -0.05 | 0.63 | 14,511,562.43 | 2,115,750.36 | 39° 56' 52.159 N | 109° 18' 14.642 W |
| 369.00 | 0.70 | 20.54 | 369.00 | 0.45 | 1.03 | 14,511,562.94 | 2,115,750.75 | 39° 56' 52.164 N | 109° 18' 14.637 W |
| 459.00 | 2.05 | 22.88 | 458.97 | 2.44 | 1.85 | 14,511,564.95 | 2,115,751.53 | 39° 56' 52.184 N | 109° 18' 14.626 W |
| 549.00 | 2.70 | 17.05 | 548.89 | 5.95 | 3.09 | 14,511,568.48 | 2,115,752.71 | 39° 56' 52.219 N | 109° 18' 14.610 W |
| 639.00 | 2.81 | 358.11 | 638.79 | 10.18 | 3.64 | 14,511,572.73 | 2,115,753.18 | 39° 56' 52.261 N | 109° 18' 14.603 W |
| 729.00 | 3.01 | 2.82 | 728.67 | 14.75 | 3.69 | 14,511,577.29 | 2,115,753.13 | 39° 56' 52.306 N | 109° 18' 14.603 W |
| 819.00 | 2.63 | 355.71 | 818.56 | 19.17 | 3.65 | 14,511,581.71 | 2,115,753.01 | 39° 56' 52.349 N | 109° 18' 14.603 W |
| 909.00 | 2.53 | 14.60 | 908.47 | 23.15 | 3.99 | 14,511,585.70 | 2,115,753.28 | 39° 56' 52.389 N | 109° 18' 14.599 W |
| 999.00 | 2.69 | 11.45 | 998.38 | 27.14 | 4.91 | 14,511,589.71 | 2,115,754.13 | 39° 56' 52.428 N | 109° 18' 14.587 W |
| 1,089.00 | 2.51 | 11.55 | 1,088.29 | 31.14 | 5.73 | 14,511,593.72 | 2,115,754.86 | 39° 56' 52.468 N | 109° 18' 14.576 W |
| 1,179.00 | 2.55 | 10.02 | 1,178.20 | 35.05 | 6.47 | 14,511,597.64 | 2,115,755.53 | 39° 56' 52.506 N | 109° 18' 14.567 W |
| 1,269.00 | 2.46 | 10.55 | 1,268.11 | 38.92 | 7.17 | 14,511,601.52 | 2,115,756.16 | 39° 56' 52.545 N | 109° 18' 14.558 W |
| 1,359.00 | 1.73 | 0.53 | 1,358.05 | 42.17 | 7.54 | 14,511,604.78 | 2,115,756.46 | 39° 56' 52.577 N | 109° 18' 14.553 W |
| 1,449.00 | 2.52 | 354.84 | 1,447.99 | 45.50 | 7.37 | 14,511,608.11 | 2,115,756.24 | 39° 56' 52.610 N | 109° 18' 14.555 W |
| 1,539.00 | 2.89 | 357.49 | 1,537.89 | 49.74 | 7.10 | 14,511,612.34 | 2,115,755.88 | 39° 56' 52.652 N | 109° 18' 14.559 W |
| 1,629.00 | 2.74 | 342.69 | 1,627.78 | 54.06 | 6.36 | 14,511,616.65 | 2,115,755.06 | 39° 56' 52.694 N | 109° 18' 14.568 W |
| 1,719.00 | 2.22 | 358.43 | 1,717.70 | 57.86 | 5.67 | 14,511,620.43 | 2,115,754.30 | 39° 56' 52.732 N | 109° 18' 14.577 W |
| 1,809.00 | 2.24 | 356.08 | 1,807.63 | 61.35 | 5.50 | 14,511,623.92 | 2,115,754.06 | 39° 56' 52.766 N | 109° 18' 14.579 W |
| TIE-IN SDI SVY | | | | | | | | | |
| 1,899.00 | 2.06 | 345.26 | 1,897.57 | 64.67 | 4.97 | 14,511,627.23 | 2,115,753.47 | 39° 56' 52.799 N | 109° 18' 14.586 W |
| BEGIN WFT SVY | | | | | | | | | |
| 1,960.00 | 1.99 | 350.31 | 1,958.53 | 66.78 | 4.51 | 14,511,629.32 | 2,115,752.97 | 39° 56' 52.820 N | 109° 18' 14.592 W |
| 2,051.00 | 3.81 | 320.91 | 2,049.41 | 70.68 | 2.34 | 14,511,633.19 | 2,115,750.72 | 39° 56' 52.859 N | 109° 18' 14.620 W |
| 2,141.00 | 7.13 | 321.41 | 2,138.99 | 77.37 | -3.03 | 14,511,639.77 | 2,115,745.23 | 39° 56' 52.925 N | 109° 18' 14.689 W |
| 2,232.00 | 9.19 | 334.16 | 2,229.07 | 88.33 | -9.72 | 14,511,650.60 | 2,115,738.33 | 39° 56' 53.033 N | 109° 18' 14.775 W |
| 2,323.00 | 12.00 | 340.16 | 2,318.52 | 103.77 | -16.10 | 14,511,665.92 | 2,115,731.66 | 39° 56' 53.186 N | 109° 18' 14.857 W |
| 2,413.00 | 14.76 | 340.93 | 2,406.06 | 123.41 | -23.02 | 14,511,685.42 | 2,115,724.36 | 39° 56' 53.380 N | 109° 18' 14.946 W |
| 2,504.00 | 17.63 | 337.54 | 2,493.45 | 147.11 | -32.08 | 14,511,708.94 | 2,115,714.86 | 39° 56' 53.614 N | 109° 18' 15.062 W |
| 2,595.00 | 21.13 | 335.79 | 2,579.28 | 174.81 | -44.07 | 14,511,736.41 | 2,115,702.34 | 39° 56' 53.888 N | 109° 18' 15.216 W |
| 2,686.00 | 22.81 | 337.41 | 2,663.67 | 206.06 | -57.58 | 14,511,767.40 | 2,115,688.25 | 39° 56' 54.197 N | 109° 18' 15.389 W |
| 2,776.00 | 24.94 | 337.04 | 2,745.96 | 239.64 | -71.68 | 14,511,800.71 | 2,115,673.51 | 39° 56' 54.529 N | 109° 18' 15.571 W |
| 2,867.00 | 23.88 | 336.16 | 2,828.83 | 274.15 | -86.61 | 14,511,834.93 | 2,115,657.92 | 39° 56' 54.870 N | 109° 18' 15.762 W |
| 2,958.00 | 22.25 | 336.16 | 2,912.55 | 306.76 | -101.02 | 14,511,867.26 | 2,115,642.90 | 39° 56' 55.192 N | 109° 18' 15.947 W |
| 3,048.00 | 22.63 | 338.66 | 2,995.74 | 338.48 | -114.21 | 14,511,898.72 | 2,115,629.11 | 39° 56' 55.505 N | 109° 18' 16.117 W |
| 3,139.00 | 22.06 | 337.29 | 3,079.90 | 370.55 | -127.18 | 14,511,930.54 | 2,115,615.53 | 39° 56' 55.822 N | 109° 18' 16.283 W |
| 3,230.00 | 20.13 | 336.04 | 3,164.80 | 400.63 | -140.14 | 14,511,960.36 | 2,115,602.00 | 39° 56' 56.120 N | 109° 18' 16.450 W |
| 3,320.00 | 19.19 | 337.16 | 3,249.55 | 428.41 | -152.17 | 14,511,987.91 | 2,115,589.45 | 39° 56' 56.394 N | 109° 18' 16.604 W |
| 3,411.00 | 15.38 | 332.54 | 3,336.43 | 452.91 | -163.54 | 14,512,012.19 | 2,115,577.61 | 39° 56' 56.637 N | 109° 18' 16.750 W |
| 3,502.00 | 13.25 | 333.29 | 3,424.60 | 472.94 | -173.79 | 14,512,032.02 | 2,115,566.98 | 39° 56' 56.834 N | 109° 18' 16.882 W |
| 3,592.00 | 11.19 | 335.54 | 3,512.56 | 490.10 | -182.05 | 14,512,049.03 | 2,115,558.40 | 39° 56' 57.004 N | 109° 18' 16.988 W |
| 3,683.00 | 10.31 | 338.41 | 3,601.96 | 505.71 | -188.70 | 14,512,064.51 | 2,115,551.45 | 39° 56' 57.158 N | 109° 18' 17.073 W |
| 3,773.00 | 10.88 | 339.04 | 3,690.43 | 521.13 | -194.70 | 14,512,079.81 | 2,115,545.16 | 39° 56' 57.311 N | 109° 18' 17.150 W |
| 3,864.00 | 10.75 | 338.29 | 3,779.81 | 537.04 | -200.91 | 14,512,095.59 | 2,115,538.64 | 39° 56' 57.468 N | 109° 18' 17.230 W |
| 3,954.00 | 8.50 | 335.29 | 3,868.54 | 550.88 | -206.80 | 14,512,109.32 | 2,115,532.50 | 39° 56' 57.605 N | 109° 18' 17.306 W |
| 4,045.00 | 8.50 | 341.91 | 3,958.54 | 563.38 | -211.70 | 14,512,121.73 | 2,115,527.36 | 39° 56' 57.728 N | 109° 18' 17.369 W |
| 4,136.00 | 8.44 | 342.79 | 4,048.55 | 576.15 | -215.76 | 14,512,134.42 | 2,115,523.05 | 39° 56' 57.855 N | 109° 18' 17.421 W |
| 4,226.00 | 7.81 | 337.56 | 4,137.65 | 588.12 | -220.05 | 14,512,146.30 | 2,115,518.54 | 39° 56' 57.973 N | 109° 18' 17.476 W |
| 4,317.00 | 6.25 | 347.66 | 4,227.96 | 598.67 | -223.47 | 14,512,156.79 | 2,115,514.92 | 39° 56' 58.077 N | 109° 18' 17.520 W |
| 4,408.00 | 4.44 | 344.79 | 4,318.56 | 606.91 | -225.45 | 14,512,164.99 | 2,115,512.78 | 39° 56' 58.159 N | 109° 18' 17.545 W |
| 4,498.00 | 2.50 | 330.66 | 4,408.39 | 611.98 | -227.33 | 14,512,170.02 | 2,115,510.81 | 39° 56' 58.209 N | 109° 18' 17.569 W |
| 4,589.00 | 2.31 | 330.66 | 4,499.31 | 615.31 | -229.20 | 14,512,173.32 | 2,115,508.87 | 39° 56' 58.242 N | 109° 18' 17.593 W |
| 4,679.00 | 2.38 | 337.54 | 4,589.24 | 618.62 | -230.80 | 14,512,176.59 | 2,115,507.21 | 39° 56' 58.274 N | 109° 18' 17.614 W |
| 4,770.00 | 2.13 | 334.54 | 4,680.17 | 621.89 | -232.25 | 14,512,179.84 | 2,115,505.70 | 39° 56' 58.307 N | 109° 18' 17.633 W |
| 4,861.00 | 1.81 | 335.04 | 4,771.11 | 624.72 | -233.59 | 14,512,182.64 | 2,115,504.31 | 39° 56' 58.335 N | 109° 18' 17.650 W |

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude |
|---------------------|-----------------|-------------|---------------------|------------|------------|-------------------|------------------|------------------|-------------------|
| 4,951.00 | 1.44 | 334.29 | 4,861.08 | 627.03 | -234.68 | 14,512,184.93 | 2,115,503.18 | 39° 56' 58.358 N | 109° 18' 17.664 W |
| 5,042.00 | 1.31 | 340.04 | 4,952.05 | 629.04 | -235.53 | 14,512,186.92 | 2,115,502.29 | 39° 56' 58.377 N | 109° 18' 17.675 W |
| 5,133.00 | 0.88 | 350.29 | 5,043.04 | 630.70 | -236.00 | 14,512,188.58 | 2,115,501.78 | 39° 56' 58.394 N | 109° 18' 17.681 W |
| 5,223.00 | 0.44 | 345.54 | 5,133.03 | 631.72 | -236.20 | 14,512,189.59 | 2,115,501.56 | 39° 56' 58.404 N | 109° 18' 17.683 W |
| 5,314.00 | 0.19 | 356.91 | 5,224.03 | 632.21 | -236.30 | 14,512,190.08 | 2,115,501.46 | 39° 56' 58.409 N | 109° 18' 17.684 W |
| 5,405.00 | 0.06 | 194.54 | 5,315.03 | 632.31 | -236.32 | 14,512,190.18 | 2,115,501.43 | 39° 56' 58.410 N | 109° 18' 17.685 W |
| 5,495.00 | 0.25 | 115.66 | 5,405.03 | 632.18 | -236.15 | 14,512,190.05 | 2,115,501.60 | 39° 56' 58.408 N | 109° 18' 17.683 W |
| 5,586.00 | 0.75 | 275.16 | 5,496.03 | 632.15 | -236.57 | 14,512,190.01 | 2,115,501.19 | 39° 56' 58.408 N | 109° 18' 17.688 W |
| 5,677.00 | 1.38 | 316.41 | 5,587.01 | 633.00 | -237.92 | 14,512,190.83 | 2,115,499.82 | 39° 56' 58.417 N | 109° 18' 17.705 W |
| 5,767.00 | 0.94 | 301.91 | 5,676.99 | 634.17 | -239.29 | 14,512,191.98 | 2,115,498.43 | 39° 56' 58.428 N | 109° 18' 17.723 W |
| 5,858.00 | 0.69 | 317.66 | 5,767.98 | 634.97 | -240.29 | 14,512,192.76 | 2,115,497.41 | 39° 56' 58.436 N | 109° 18' 17.736 W |
| 5,949.00 | 0.31 | 298.29 | 5,858.98 | 635.49 | -240.88 | 14,512,193.27 | 2,115,496.81 | 39° 56' 58.441 N | 109° 18' 17.743 W |
| 6,040.00 | 1.44 | 319.91 | 5,949.97 | 636.49 | -241.83 | 14,512,194.25 | 2,115,495.84 | 39° 56' 58.451 N | 109° 18' 17.756 W |
| 6,130.00 | 1.19 | 309.66 | 6,039.94 | 637.95 | -243.28 | 14,512,195.68 | 2,115,494.37 | 39° 56' 58.465 N | 109° 18' 17.774 W |
| 6,221.00 | 0.69 | 304.41 | 6,130.93 | 638.86 | -244.46 | 14,512,196.57 | 2,115,493.17 | 39° 56' 58.474 N | 109° 18' 17.789 W |
| 6,311.00 | 0.50 | 299.79 | 6,220.93 | 639.36 | -245.25 | 14,512,197.06 | 2,115,492.37 | 39° 56' 58.479 N | 109° 18' 17.799 W |
| 6,402.00 | 0.31 | 290.91 | 6,311.92 | 639.65 | -245.82 | 14,512,197.33 | 2,115,491.79 | 39° 56' 58.482 N | 109° 18' 17.807 W |
| 6,493.00 | 0.06 | 293.79 | 6,402.92 | 639.75 | -246.10 | 14,512,197.43 | 2,115,491.52 | 39° 56' 58.483 N | 109° 18' 17.810 W |
| 6,583.00 | 0.44 | 84.91 | 6,492.92 | 639.80 | -245.79 | 14,512,197.49 | 2,115,491.82 | 39° 56' 58.484 N | 109° 18' 17.806 W |
| 6,674.00 | 0.81 | 111.54 | 6,583.92 | 639.60 | -244.85 | 14,512,197.30 | 2,115,492.77 | 39° 56' 58.482 N | 109° 18' 17.794 W |
| 6,764.00 | 0.88 | 124.91 | 6,673.91 | 638.97 | -243.69 | 14,512,196.69 | 2,115,493.94 | 39° 56' 58.476 N | 109° 18' 17.779 W |
| 6,855.00 | 1.06 | 124.41 | 6,764.89 | 638.09 | -242.42 | 14,512,195.84 | 2,115,495.22 | 39° 56' 58.467 N | 109° 18' 17.763 W |
| 6,945.00 | 0.81 | 37.04 | 6,854.89 | 638.13 | -241.35 | 14,512,195.90 | 2,115,496.29 | 39° 56' 58.467 N | 109° 18' 17.749 W |
| 7,036.00 | 0.75 | 16.54 | 6,945.88 | 639.22 | -240.79 | 14,512,197.00 | 2,115,496.83 | 39° 56' 58.478 N | 109° 18' 17.742 W |
| 7,127.00 | 0.38 | 78.79 | 7,036.87 | 639.84 | -240.33 | 14,512,197.63 | 2,115,497.28 | 39° 56' 58.484 N | 109° 18' 17.736 W |
| 7,218.00 | 0.50 | 125.54 | 7,127.87 | 639.67 | -239.71 | 14,512,197.47 | 2,115,497.90 | 39° 56' 58.483 N | 109° 18' 17.728 W |
| 7,308.00 | 1.38 | 134.66 | 7,217.86 | 638.68 | -238.62 | 14,512,196.50 | 2,115,499.01 | 39° 56' 58.473 N | 109° 18' 17.714 W |
| 7,399.00 | 1.50 | 112.29 | 7,308.83 | 637.46 | -236.74 | 14,512,195.32 | 2,115,500.92 | 39° 56' 58.461 N | 109° 18' 17.690 W |
| 7,490.00 | 1.50 | 110.66 | 7,399.80 | 636.59 | -234.52 | 14,512,194.49 | 2,115,503.15 | 39° 56' 58.452 N | 109° 18' 17.662 W |
| 7,580.00 | 1.63 | 132.04 | 7,489.77 | 635.32 | -232.47 | 14,512,193.25 | 2,115,505.23 | 39° 56' 58.439 N | 109° 18' 17.635 W |
| 7,671.00 | 1.94 | 140.41 | 7,580.72 | 633.26 | -230.53 | 14,512,191.24 | 2,115,507.21 | 39° 56' 58.419 N | 109° 18' 17.610 W |
| 7,762.00 | 1.88 | 131.16 | 7,671.67 | 631.09 | -228.42 | 14,512,189.11 | 2,115,509.35 | 39° 56' 58.398 N | 109° 18' 17.583 W |
| 7,853.00 | 2.06 | 125.79 | 7,762.62 | 629.15 | -225.97 | 14,512,187.22 | 2,115,511.84 | 39° 56' 58.379 N | 109° 18' 17.552 W |
| LAST WFT SVY | | | | | | | | | |
| 7,986.00 | 2.75 | 110.53 | 7,895.50 | 626.64 | -221.04 | 14,512,184.79 | 2,115,516.82 | 39° 56' 58.354 N | 109° 18' 17.489 W |
| EXT. TD | | | | | | | | | |
| 8,036.00 | 2.75 | 110.53 | 7,945.44 | 625.80 | -218.80 | 14,512,184.00 | 2,115,519.08 | 39° 56' 58.345 N | 109° 18' 17.460 W |



Weatherford International Ltd.
Survey Report - Geographic



Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15H4CS
Wellbore: Bonanza 1023-15H4CS
Design: Bonanza 1023-15H4CS

Local Co-ordinate Reference: Well Bonanza 1023-15H4CS
TVD Reference: WELL @ 5617.00ft (Original Well Elev)
MD Reference: WELL @ 5617.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|----------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 1,899.00 | 1,897.57 | 64.67 | 4.97 | TIE-IN SDI SVY |
| 1,960.00 | 1,958.53 | 66.78 | 4.51 | BEGIN WFT SVY |
| 7,986.00 | 7,895.50 | 626.64 | -221.04 | LAST WFT SVY |
| 8,036.00 | 7,945.44 | 625.80 | -218.80 | EXT. TD |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

US ROCKIES REGION

Operation Summary Report

| | | |
|--|----------------------------|--|
| Well: BONANZA 1023-15H4CS (BLUE) | Spud Conductor: 1/31/2010 | Spud Date: 2/6/2010 |
| Project: UTAH-UINTAH | Site: BONANZA 1023-15I PAD | Rig Name No: ENSIGN 146/146, PROPETRO/ |
| Event: DRILLING | Start Date: 2/2/2010 | End Date: 3/27/2010 |
| Active Datum: RKB @5,618.00ft (above Mean Sea Leve | | |
| UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|---|
| 2/6/2010 | 10:30 - 14:00 | 3.50 | MIRU | 01 | B | P | | DRESS CONDUCTOR, INSTALL AIR BOWL, RIG UP BOWIE LINE, RIG UP RIG., BUILD DITCH, RIG UP PUMPS, DOG HOUSE, AIR COMPRESSOR AND BOOSTER. P/U 1.5 BENT HOUSE MOTOR SN 8022 AND Q507 SN 7018945 2ND RUN. |
| | 14:00 - 16:30 | 2.50 | MAINT | 08 | B | Z | | WORK ON PUMPS, REPACK LINER. |
| | 16:30 - 17:30 | 1.00 | DRLSUR | 02 | B | P | | DRILL 44'- 150' SPUD 2/06/2010 16:30 |
| | 17:30 - 19:30 | 2.00 | DRLSUR | 06 | A | P | | LD 6" DC'S AND P/U SCIENTIFIC DRILLING DIRECTIONAL TOOLS. |
| | 19:30 - 0:00 | 4.50 | DRLSUR | 02 | D | P | | DRILL W/ MWD. 150'- 900' (750',166'/HR) WOB 5-20K, ROT 45, GPM 650, DH ROT 104, PSI 1100/1400, UP/DOWN//ROT 54/54/54. |
| 2/7/2010 | 0:00 - 9:00 | 9.00 | DRLSUR | 02 | D | P | | DRILL W/ MWD 900'- 1950' (1050, 117'/HR) TD 1/7/2010 09:00 WOB 25K, ROT 45, GPM 650, DH ROT 104, PSI 1300/1600, UP/DOWN//ROT 65/63/64. LOSS CIRC 1440', AERATE WATER W/ 250 GPM TO MAINTAIN PIT. |
| | 9:00 - 10:30 | 1.50 | CSG | 05 | F | P | | CIRC AND CONDITION HOLE W/ AERATED WATER. |
| | 10:30 - 13:00 | 2.50 | CSG | 06 | D | P | | LD DS, LD BHA AND DIRECTIONAL TOOLS. LD MOTOR AND BIT. |
| | 13:00 - 15:30 | 2.50 | CSG | 12 | C | P | | RUN 43 JTS OF 8-5/8" 28# IJ-55 CSG W/ 8RD LTC THREADS. RAN FLOAT SHOE ON SHOE JT LANDED @ 1905' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT. BAFFLE @ 1855' KB. FILL CSG 800'. |
| | 15:30 - 16:00 | 0.50 | RDMO | 01 | E | P | | RIG DOWN RIG. RELEASE RIG 2/7/2010 16:00 |
| | 16:00 - 20:00 | 4.00 | CSG | 12 | E | P | | HELD SAFETY MTNG. PRESS TEST TO 2000 PSI, PUMP 125 BBLs H2O, PUMP 20 BBLs GEL WATER, PUMP 225 SX 15.8 # 1.15 YLD 5 GAL/SK TAIL CMNT DROP PLUG ON FLY DISP W/ 119 BBLs FRESH WATER 90 PSI LIFT NO RETURNS, BUMP PLUG W / 1250 PSI, TOP OUT 100 SX OF 15.8#. 1.15 YLD 5 GAL SK 4% CALC CMNT, WAIT 2 HRS PUMP 100 SX SAME CMNT. WAIT 24 HRS PUMP 275 SX OF SAME CEMENT. CEMENT TO SURFACE. |
| 3/23/2010 | 11:00 - 12:00 | 1.00 | DRLPRO | 01 | C | P | | SKID RIG OVER HOLE |
| | 12:00 - 13:00 | 1.00 | DRLPRO | 14 | A | P | | NIPPLE UP BOP |
| | 13:00 - 15:00 | 2.00 | DRLPRO | 09 | A | P | | SLIP & CUT 95 FT. OF DRILLINE |
| | 15:00 - 19:30 | 4.50 | DRLPRO | 15 | A | P | | TEST BOP RAMS, CHOKE, KILLINE, HCR TO 5000 PSIHIGH, 250 PSI LOW, ANN 2500 PSI, HIGH 250 PSI LOW, CASING TO 1500 PSI |
| | 19:30 - 20:00 | 0.50 | DRLPRO | 06 | J | P | | INSTALL WEAR RING |
| | 20:00 - 22:00 | 2.00 | DRLPRO | 06 | A | P | | P/U NEW MOTOR, BIT, BHA & R.I.H |
| | 22:00 - 22:30 | 0.50 | DRLPRO | 07 | B | P | | INSTALL ROTATING HEAD, LEVEL DERRICK |
| | 22:30 - 23:00 | 0.50 | DRLPRO | 06 | A | P | | FINISH TRIPPING IN HOLE, TAG CEMENT @ 1879 FT. |
| 3/24/2010 | 23:00 - 0:00 | 1.00 | DRLPRO | 02 | F | P | | DRILL CEMENT, FLOAT & SHOE |
| | 0:00 - 16:00 | 16.00 | DRLPRO | 02 | D | P | | DRILL & SLIDE F/ 1960 TO 3642 - 1682 FT. 105 FT. PER/HR., MW 8.7, VIS 27, WOB 20, RPM 40, MMRPM 131, GPM 470, PSI ON BTM. 1250, OFF 90C RIG SERVICE |
| | 16:00 - 16:30 | 0.50 | DRLPRO | 07 | A | P | | |

US ROCKIES REGION
Operation Summary Report

| | | |
|---|----------------------------|--|
| Well: BONANZA 1023-15H4CS (BLUE) | Spud Conductor: 1/31/2010 | Spud Date: 2/6/2010 |
| Project: UTAH-UINTAH | Site: BONANZA 1023-15I PAD | Rig Name No: ENSIGN 146/146, PROPETRO/ |
| Event: DRILLING | Start Date: 2/2/2010 | End Date: 3/27/2010 |
| Active Datum: RKB @5,618.00ft (above Mean Sea Level) UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| | 16:30 - 0:00 | 7.50 | DRLPRO | 02 | D | P | | DRILL & SLIDE F/ 3642 TO 4494 - 852 FT. 114 FT. PER/HR, MW 8.7, VIS 27, WOB 20, RPM 40, MMRPM 131, GPM 470, PSI ON BTM 1600, OFF 1100 |
| 3/25/2010 | 0:00 - 13:30 | 13.50 | DRLPRO | 02 | D | P | | DRILL & SLIDE F/ 4494 TO 6002 - 1508 FT. 112 FT. PER/HR, MW 10.2, VIS 38, WOB 18, RPM 40, MMRPM 131, GPM 470 - PSI ON BTM. 2050, OFF 1650 |
| | 13:30 - 14:00 | 0.50 | DRLPRO | 07 | A | P | | RIG SERVICE |
| | 14:00 - 23:30 | 9.50 | DRLPRO | 02 | D | P | | DRILL & SLIDE F/ 6002 TO 6814 - 812 FT. 85.5 FT. PER/HR, MW 11.4, VIS 42, WOB 19, RPM 40, MMRPM 131, GPM 470 - PSI ON BTM. 2350, OFF 2050 |
| 3/26/2010 | 23:30 - 0:00 | 0.50 | DRLPRO | 08 | A | Z | | REPAIR WEIGHT INDICATOR, BLACK RIG OUT |
| | 0:00 - 0:30 | 0.50 | DRLPRO | 08 | A | Z | | REPAIR WEIGHT INDICATOR |
| | 0:30 - 1:30 | 1.00 | DRLPRO | 02 | D | P | | DRILL F/ 6814 TO 6905 - 91 FT. PER/HR, MW 11.4, VIS 42, WOB 19, RPM 40, MMRPM 131, GPM 470, PSI ON BTM. 2350 OFF 2000 |
| | 1:30 - 2:00 | 0.50 | DRLPRO | 08 | A | Z | | RECALIBRATE RIG |
| | 2:00 - 15:30 | 13.50 | DRLPRO | 02 | D | P | | DRILL F/ 6905 TO 7767 - 862 FT. 64 FT. PER/HR, MW 11.5, VIS 44, WOB 18, RPM 40, MMRPM 131, GPM 470, PSI ON BTM. 2400 OFF 2000 |
| | 15:30 - 16:00 | 0.50 | DRLPRO | 07 | A | P | | RIG SERVICE |
| | 16:00 - 20:00 | 4.00 | DRLPRO | 02 | D | P | | DRILL F/ 7767 TO 8036 - 269 FT. 67.25 FT. PER/HR, MW 11.7, VIS 46, WOB 18, RPM 40, MMRPM 131, GPM 470, PSI ON BTM. 2400 OFF 2000 |
| | 20:00 - 22:00 | 2.00 | DRLPRO | 05 | C | P | | PUMP HIGH VIS SWEEP, CIRC. TWO BTMS. UP |
| 3/27/2010 | 22:00 - 0:00 | 2.00 | DRLPRO | 06 | D | P | | PUMP OUT 5 STDS. SLUG PIPE & T.O.H |
| | 0:00 - 6:00 | 6.00 | DRLPRO | 06 | D | P | | FINISH TRIPPING OUT, L/D MWD, MOTOR & BIT |
| | 6:00 - 6:30 | 0.50 | DRLPRO | 06 | J | P | | PULL WEAR BUSHING |
| | 6:30 - 13:30 | 7.00 | DRLPRO | 12 | C | P | | HELD SAFETY MEETING W/ FRANKS, RIG UP & RUN 190 JTS. 4 1/2, 11.6, I-80, BTC, CASING LANDED SHOE @ 8026.31, FLOAT COLLAR @ 8002.54 |
| | 13:30 - 14:30 | 1.00 | DRLPRO | 05 | D | P | | CIRC. BTMS UP THROUGH CASING |
| | 14:30 - 16:30 | 2.00 | DRLPRO | 12 | E | P | | HELD SAFETY MEETING W/ BJ SERVICES, RIGGED UP & PUMP 40 BBLS. SPACER, LEAD W/ 251 BBLS. 583 SKS., 11.8, 2.42 YIELD, TAIL W/ 135 BBLS. 568 SKS. 14.3, 1.31 YIELD & DISPLACE W/ 124.4 BBLS WATER, BUMPED PLUG, FLOATS HELD, 1 BBL BACK TO TRUCK, 40 BBLS CEMENT TO SURFACE, FINAL LIFT PSI. 2010 |
| | 16:30 - 18:00 | 1.50 | DRLPRO | 14 | A | P | | FLUSH & NIPPLE DOWN BOP, CLEAN MUD TANKS, RIG RELEASED @ 18:00 HRS 3/27/2010 |

US ROCKIES REGION
Operation Summary Report

| | | | |
|--|--|--|--|
| Well: BONANZA 1023-15H4CS (BLUE) | | Spud Conductor: 1/31/2010 | Spud Date: 2/6/2010 |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-15I PAD | Rig Name No: ENSIGN 146/146, PROPETRO/ |
| Event: DRILLING | | Start Date: 2/2/2010 | End Date: 3/27/2010 |
| Active Datum: RKB @5,618.00ft (above Mean Sea Leve | | UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|------|-------------------|------------------|--------|------|-------------|-----|-----------------|---|
| | 18:00 - 18:00 | 0.00 | DRLPRO | | | | | <p>CONDUCTOR CASING: Cond. Depth set: 44 Cement sx used:</p> <p>SPUD DATE/TIME: 2/6/2010 16:30:00 PM</p> <p>SURFACE HOLE: Surface From depth:44 Surface To depth: 1,950 Total SURFACE hours: 14.50 Surface Casing size:8 5/8 # of casing joints ran: 43 Casing set MD:1,905.0 # sx of cement:425 Cement blend (ppg.):15.8 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0 Describe cement issues: NO RETURNS Describe hole issues:</p> <p>PRODUCTION: Rig Move/Skid start date/time: 3/23/2010 11:00 Rig Move/Skid finish date/time:3/23/2010 12:00 Total MOVE hours: 1.0 Prod Rig Spud date/time: 3/23/2010 23:00 Rig Release date/time: 3/27/2010 18:00 Total SPUD to RR hours:91.0 Planned depth MD 8,062 Planned depth TVD 7,970 Actual MD: 8,036 Actual TVD: 7,946 Open Wells \$: \$455,390 AFE \$: \$627,225 Open wells \$/ft:\$56.67</p> <p>PRODUCTION HOLE: Prod. From depth: 1,960 Prod. To depth:8,036 Total PROD hours: 65 Log Depth: N/A Production Casing size: 4 1/2 # of casing joints ran: 190 Casing set MD:8,026.3 # sx of cement:L583 T 568 Cement blend (ppg.):L 11.8 T 14.3 Cement yield (ft3/sk): L 2.42 T 1.31 Est. TOC (Lead & Tail) or 2 Stage : 5400 Describe cement issues: Describe hole issues:</p> <p>DIRECTIONAL INFO: KOP: 250 Max angle: 24.94 Departure: 657.74 Max dogleg MD: 4.45</p> |

US ROCKIES REGION

Operation Summary Report

| | | |
|---|----------------------------|-----------------------------|
| Well: BONANZA 1023-15H4CS (BLUE) | Spud Conductor: 1/31/2010 | Spud Date: 2/6/2010 |
| Project: UTAH-UINTAH | Site: BONANZA 1023-15I PAD | Rig Name No: MILES-GRAY 1/1 |
| Event: COMPLETION | Start Date: 4/26/2010 | End Date: 5/3/2010 |
| Active Datum: RKB @5,618.00ft (above Mean Sea Leve UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|-------------------|------------------|-------|------|-------------|-----|-----------------|--|
| 4/23/2010 | 8:00 - 8:30 | 0.50 | COMP | 48 | | P | | HSM. RIGGING UP ON A PAD WELL W / TWO SETS OF EQUIPMENT |
| | 8:30 - 10:30 | 2.00 | COMP | 37 | C | P | | MIRU B&C QUICK TEST & PRESSURE TEST CASING & FRAC VALVES. RDMO B&C QUICK TEST. MIRU CUTTERS TO PERFORATE. PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PERF 7,913'-16' 4SPF, 7,814'-18' 4SPF, 28 HOLES. SWI SDFWE. |
| 4/26/2010 | 6:30 - 7:00 | 0.50 | COMP | 48 | | P | | HSM. FRACING & PERFORATING ON A PAD WELL. |
| | 10:45 - 11:12 | 0.45 | COMP | 36 | B | P | | MIRU SUPERIOR & CUTTERS. PRESSURE TEST SURFACE EQUIPMENT. STG 1) WHP 955 PSI, BRK 2,960 PSI @ 4.8 BPM, ISIP 2,423 PSI, FG .74. PUMP 100 BBLS @ 45 BPM @ 5,800 PSI = 76% HOLES OPEN. MP 6,501 PSI, MR 51.5 BPM, AP 5,392 PSI, AR 50 BPM, ISIP 2,055 PSI, FG .69, NPI -368 PSI. PUMP 894 BBLS OF SW & 26,034 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 31,034 LBS. |
| | 13:38 - 14:00 | 0.37 | COMP | 36 | B | P | | STG 2) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 7,732' & PERF 7,698'-02' 4SPF, 7,633'-37' 4SPF, 7,525'-27' 4SPF, 40 HOLES. WHP 477 PSI, BRK 3,941 PSI @ 4.7 BPM, ISIP 2,287 PSI, FG .74. PUMP 100 BBLS @ 50.5 BPM @ 4,876 PSI = 63% HOLES OPEN. MP 5,697 PSI, MR 52 BPM, AP 5,273 PSI, AR 50.8 BPM, ISIP 2,281 PSI, FG .74, NPI -6 PSI. PUMP 906 BBLS OF SW & 27,084 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 32,084 LBS. |
| 4/27/2010 | 16:45 - 17:15 | 0.50 | COMP | 36 | B | P | | STG 3) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 7,418' & PERF 7,384'-88' 4SPF, 7,322'-26' 4SPF, 7,244'-46' 4SPF, 40 HOLES. SWI SDFN. |
| | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM. FRACING & PERFORATING ON A PAD WELL. |
| | 7:30 - 7:40 | 0.17 | COMP | 36 | B | P | | STG 3) WHP 1,744 PSI, BRK 2,150 PSI @ 4.8 BPM, ISIP 1,850 PSI, FG .69. PUMP 100 BBLS @ 50.6 BPM @ 5,400PSI = 52% HOLES OPEN. MP 6,025 PSI, MR 51.0 BPM, AP 4,883 PSI, AR 50.6 BPM, ISIP 2,009 PSI, FG .70, NPI -108 PSI. PUMP 1,969 BBLS OF SW & 68,218 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 73,218 LBS. |

US ROCKIES REGION
Operation Summary Report

| Well: BONANZA 1023-15H4CS (BLUE) | | | Spud Conductor: 1/31/2010 | | | | Spud Date: 2/6/2010 | |
|--|-------------------|------------------|--|------|-------------|-----|-----------------------------|---|
| Project: UTAH-UINTAH | | | Site: BONANZA 1023-15I PAD | | | | Rig Name No: MILES-GRAY 1/1 | |
| Event: COMPLETION | | | Start Date: 4/26/2010 | | | | End Date: 5/3/2010 | |
| Active Datum: RKB @5,618.00ft (above Mean Sea Leve | | | UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
| | 10:17 - 11:00 | 0.72 | COMP | 36 | B | P | | STG 4) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 7,185' & PERF 7,151'-55' 4SPF, 7,026'-32' 4SPF, 40 HOLES. WHP 90 PSI, BRK 2,930 PSI @ 4.7 BPM, ISIP 1,295 PSI, FG .62. PUMP 100 BBLS @ 51 BPM @ 4,450 PSI = 63% HOLES OPEN. MP 5,134 PSI, MR 51.8 BPM, AP 4,037 PSI, AR 51 BPM, ISIP 2,110 PSI, FG .74, NPI 815 PSI. PUMP 1,981 BBLS OF SW & 73,026 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 78,026 LBS. |
| | 12:50 - 13:37 | 0.78 | COMP | 36 | B | P | | STG 5) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 6,969' & PERF 6,937'-39' 4SPF, 6,916'-18' 4SPF, 6,894'-96' 4SPF, 6,859'-62' 4SPF, 6,786'-87' 4SPF, 40 HOLES. WHP 200 PSI, BRK 1,925 PSI @ 4.7 BPM, ISIP 1,335 PSI, FG .63. PUMP 100 BBLS @ 51 BPM @ 4,950 PSI = 100% HOLES OPEN. MP 5,081 PSI, MR 51.3 BPM, AP 3,551 PSI, AR 45.2 BPM, ISIP 1,660 PSI, FG .68, NPI 325 PSI. PUMP 1,849 BBLS OF SW & 69,326 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 74,326 LBS. |
| | 14:00 - 15:00 | 1.00 | COMP | 37 | C | P | | STG 6) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 6,658' & PERF 6,626'-28' 4SPF, 6,603'-05' 4SPF, 6,566'-68' 4SPF, 6,484'-86' 4SPF, 6,462'-64' 4SPF, 40 HOLES. SDFN. |
| 4/28/2010 | 6:30 - 7:00 | 0.50 | COMP | 48 | | P | | HSM. FRAC & SET KILL PLG. RDMO |
| | 8:15 - 8:52 | 0.62 | COMP | 36 | B | P | | STG 6) WHP 460 PSI, BRK 2,211 PSI @ 4.7 BPM, ISIP 1,930 PSI, FG .73. PUMP 100 BBLS @ 50.8 BPM @ 4,850 PSI = 61% HOLES OPEN. MP 5,026 PSI, MR 56.5 BPM, AP 3,760 PSI, AR 52.5 BPM, ISIP 1,750 PSI, FG .71, NPI -180 PSI. PUMP 1,427 BBLS OF SW & 63,166 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 68,166 LBS. |
| | 9:00 - 10:00 | 1.00 | COMP | 34 | I | P | | KILL PLG) PU 4 1/2" HALLIBURTON CBP & RIH SET PLG @ 6,430' RDMO. |
| 4/30/2010 | 14:30 - 17:00 | 2.50 | ALL | 30 | | P | | MOVE OVER F/ RED WELL, RU RIG, ND FRAC VALVES, NU WEATHERFORDS WH SECTION & BOPS, RU FLOOR & TBG EQUIP. PREP TO PU BIT & TBG 5/3/10. SWI SDFWE. |
| 5/3/2010 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM, WATCHING FOR RABBIT WHILE PICKING UP TBG OFF FLOAT. |
| | 7:30 - 11:30 | 4.00 | COMP | 31 | I | P | | TALLY & PU 37/8 SEALED BIT, POBS, X/N, 203 JTS 23/8 L-80 OFF FLOAT TAG UP @ 6407', RU DRLEQUIP. |

US ROCKIES REGION
Operation Summary Report

| | | |
|---|----------------------------|-----------------------------|
| Well: BONANZA 1023-15H4CS (BLUE) | Spud Conductor: 1/31/2010 | Spud Date: 2/6/2010 |
| Project: UTAH-UINTAH | Site: BONANZA 1023-15I PAD | Rig Name No: MILES-GRAY 1/1 |
| Event: COMPLETION | Start Date: 4/26/2010 | End Date: 5/3/2010 |
| Active Datum: RKB @5,618.00ft (above Mean Sea Leve UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|----------|-------------------|------------------|-------|------|-------------|-----|-----------------|---|
| | 11:30 - 16:30 | 5.00 | COMP | 44 | C | P | | <p>BROKE CIRC CONVENTIONAL, TEST BOPS TO 3,000# PSI. RIH</p> <p>C/O 23' SAND TAG 1ST PLUG @ 6430' DRL PLG IN 2 MIN 300# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 2ND PLUG @ 6658' DRL PLG IN 3 MIN 100# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 3RD PLUG @ 6969' DRL PLG IN 3 MIN 200# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 4TH PLUG @ 7185' DRL PLG IN 4 MIN 300# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 5TH PLUG @ 7418' DRL PLG IN 4 MIN 300# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 6TH PLUG @ 7732' DRL PLG IN 6 MIN 200# PSI INCREASE RIH.</p> <p>C/O TO PBTD @ 8003', CIRC CLEAN, RD SWIVEL, L/D 17 JTS 23/8 L-80. LAND TBG ON 236 JTS, ND BOPS NU WH, PMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL, TURN WELL OVER TO FB CREW. WIND BLOWING TO HARD TO RIG DWN SDFN.</p> <p>KB = 13' WEATHERFORD 71/16 5K HANGER = .83' 236 JTS 23/8 L-80 = 7457.48' POBS & 1.875 X/N = 2.20' EOT @ 7473.51' FTP = 100 PSI SICP =</p> <p>1400 PSI 315 JTS HAULED OUT 236 LANDED 79 TO RETURN</p> <p>TWTR = 8215 BBLS TWR = 900 BBLS TWLTR = 7315 BBLS</p> |
| 5/4/2010 | 7:00 - | | | 33 | A | | | <p>7 AM FLBK REPORT: CP 1925#, TP 1475#, 20/64" CK, 55 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 1873 BBLS LEFT TO RECOVER: 6342</p> |
| 5/5/2010 | 7:00 - | | | 33 | A | | | <p>7 AM FLBK REPORT: CP 2500#, TP 1400#, 20/64" CK, 36 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2924 BBLS LEFT TO RECOVER: 5291</p> |
| | 10:00 - | | PROD | 50 | | | | <p>WELL TURNED TO SALES @ 1000 HR ON 5/5/10 - 500 MCFS, 1200 BWPD, CP 2050#, FTP 1450#, CK 20/64"</p> |
| 5/6/2010 | 7:00 - | | | 33 | A | | | <p>7 AM FLBK REPORT: CP 2400#, TP 1425#, 20/64" CK, 24 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3634 BBLS LEFT TO RECOVER: 4581</p> |
| 5/7/2010 | 7:00 - | | | 33 | A | | | <p>7 AM FLBK REPORT: CP 2300#, TP 1450#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4147 BBLS LEFT TO RECOVER: 4068</p> |

| | | | | | |
|---|--|---|---|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 | | | |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-15H4CS | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 | | | |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| COUNTY: UINTAH | | STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/24/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location. | | | | | |
| <div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining Date: 11/24/2010 By: </div> | | | | | |
| NAME (PLEASE PRINT) Gina Becker | | PHONE NUMBER 720 929-6086 | | | |
| SIGNATURE N/A | | TITLE Regulatory Analyst II | | | |
| | | DATE 11/24/2010 | | | |

WORKORDER #: 88104325

Name: BONANZA 1023-15H4CS

11/23/10

Location: NESE Sec. 15 10S 23E
Uintah County, UT

ELEVATIONS: 5603' GL 5616' KB

TOTAL DEPTH: 8036' **PBTD:** 8003'

SURFACE CASING: 8 5/8", 28# J-55 ST&C @ 1916'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8026'
Marker Joint 5787'-5808'
T.O.C.@ ~100

PERFORATIONS: Mesaverde 6462' - 7916'

| | BURST (psi) | COLLAPSE (psi) | DRIFT DIA. (in.) | CAPACITIES | |
|----------------------------------|----------------|-------------------|---------------------|------------|----------|
| | | | | (bbl/ft) | (gal/ft) |
| 2 3/8" 4.7# J-55 tbg | 7,700 | 8,100 | 1.901" | 0.00387 | 0.1624 |
| 4 1/2" 11.6# I-80 (See above) | 7780 | 6350 | 3.875" | 0.0155 | 0.6528 |
| 2 3/8" by 4 1/2" Annulus | | | | 0.0101 | 0.4227 |

GEOLOGICAL TOPS:

982' Green River
1221' Bird's Nest
1811' Mahogany
4073' Wasatch
5855' Mesaverde
8036' Bottom of Mesaverde (TD)

Completion Information:

- 4/28/10 - Perf and frac gross MV interval f/ 6462' - 7916' in 6 stages using 318,806# sand & 8215 bbls slickwater
- Well IP'd on 5/19/10 - 2231 MCFD, 0 BOPD, 242 BWPDP, CP 1314#, FTP 861#, CK 20/64", LP 123#, 24 HRS

BONANZA 1023-15H4CS – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. Pooh w/ tubing.
5. Rig up wireline service. RIH and set CBP @ ~6412'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service.
6. Remove BOP and ND WH.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. Pooh, LD cutters and casing.
3. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" I-80 or P-110 casing.
4. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
5. Install C-22 slips. Land casing w/ 80,000# tension.
6. Cut-off and dress 4 ½" casing stub.
7. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6412'. Clean out to PBSD (8003').
8. POOH, land tbg and pump off POBS.
9. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.
4. MIRU wireline services. RIH and shoot string shot at casing collar @ 46'.
5. MIRU casing crew.
6. Back-off casing, Pooh.
7. PU new casing joint w/ entry guide and RIH. Tag casing top. Thread into casing and torque up to +/- 6000#.
8. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
9. Install C-22 slips. Land casing w/ 80,000# tension.
10. Cut-off and dress 4 ½" casing stub.
11. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6412'. Clean out to PBSD (8003').
12. POOH, land tbg and pump off POBS.
13. NUWH, RDMO. Turn well over to production ops.



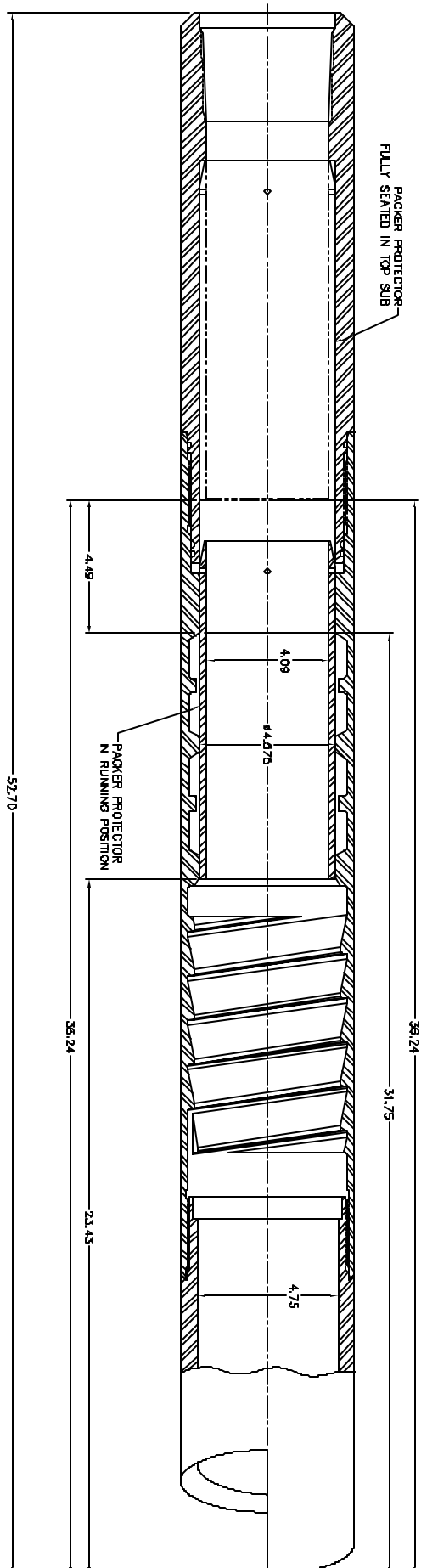
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

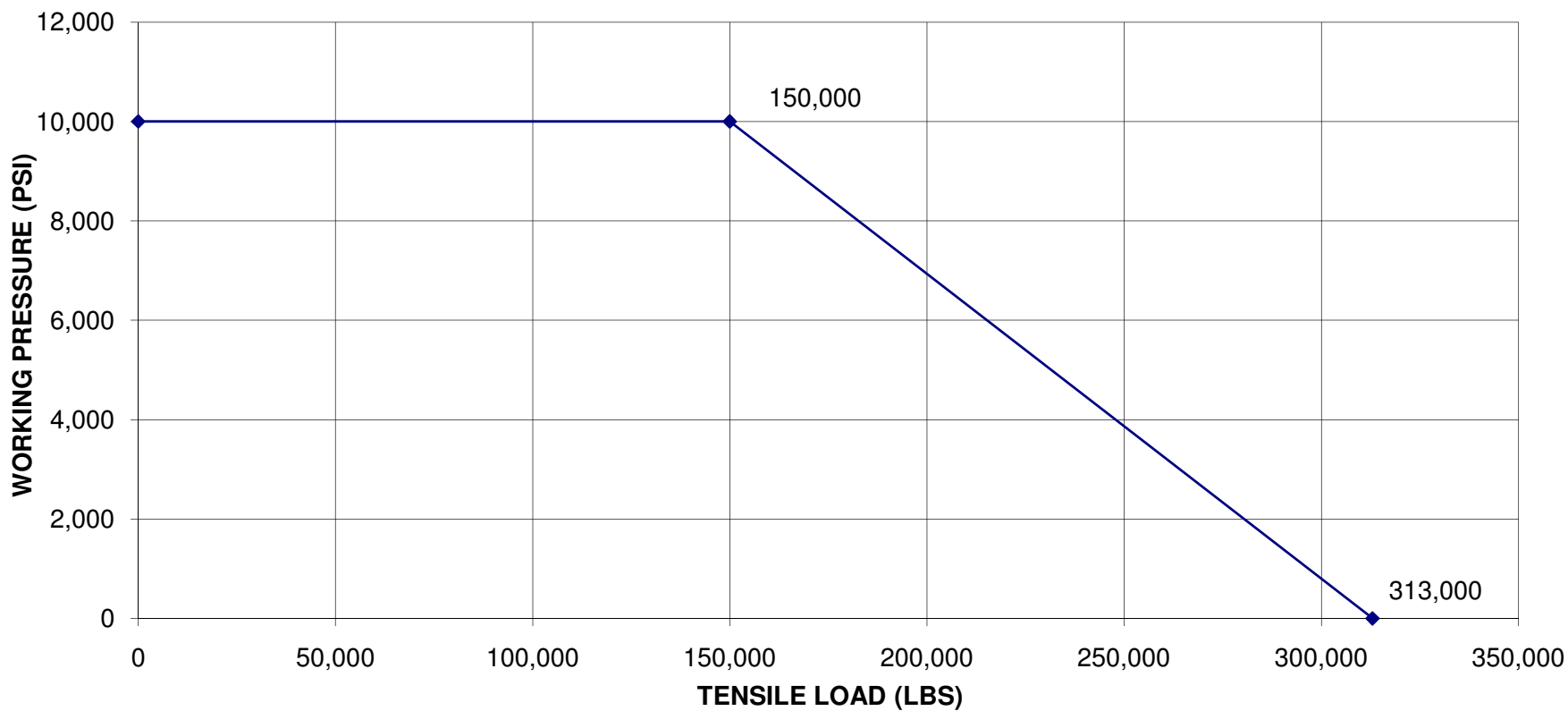
1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-15H4CS |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2204 FSL 0319 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047507410000 |
| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/27/2011 | | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded wellhead/casing repairs on the subject well location. Please see the attached chronological history for details of the operations. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Gina Becker | PHONE NUMBER 720 929-6086 | TITLE Regulatory Analyst II |
| SIGNATURE N/A | DATE 3/27/2011 | |

US ROCKIES REGION
Operation Summary Report

| Well: BONANZA 1023-15H4CS (BLUE) | | | | Spud Conductor: 1/31/2010 | | | Spud Date: 2/6/2010 | | | |
|--|-------------------|---------|------------------|--|------|-------------|---------------------|------------------------|--|--|
| Project: UTAH-UINTAH | | | | Site: BONANZA 1023-15I PAD | | | | Rig Name No: MILES 2/2 | | |
| Event: WELL WORK EXPENSE | | | | Start Date: 2/23/2011 | | | | End Date: 3/9/2011 | | |
| Active Datum: RKB @5,618.00ft (above Mean Sea Level) | | | | UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | | | | | |
| Date | Time Start-End | | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation | |
| 2/24/2011 | 7:00 | - 7:30 | 0.50 | MAINT | 48 | | P | | RIG MOVING | |
| | 7:30 | - 7:30 | 0.00 | MAINT | 46 | | P | | RD MOVE FROM BON 1023-10H2DS TO BON 1023-15H4CS, SPOT RIG, PUMP, TK, MISSING 1 ANCHOR, CALLED FOR ANCHOR, BLUE STAKES CKED AREA, INSTALL ANCHOR MONDAY AFTER 48 HRS SWIFWE | |
| 2/28/2011 | 7:00 | - 7:30 | 0.50 | MAINT | 48 | | P | | TRIPPING TBG | |
| | 7:30 | - 17:30 | 10.00 | MAINT | 31 | | P | | RU, BLOW DWN WELL, 250# CSG, 150# TBG, KILL WELL WITH 20 BBLS T-MAC DWN TBG, 10 BBLS DWN CSG, NDWH, NU BOP'S, TEST BOP'S 3000#, POOH TBG.STD BACK 98 STDS, LAY DWN 40 JTS ON SILLS. RU CUTTERS, TIH GAUGE RING TO 6430', POOH, PU 10K CBP, TIH TO 6412', SET CBP, POOH PU BAILER, BAIL 4 SX CEMENT ON TOP OF CBP, RD CUTTERS, TIH WITH 98 STDS TBG 6193.6' . SWIFN | |
| 3/1/2011 | 7:00 | - 7:30 | 0.50 | MAINT | 48 | | P | | PRESSURE TESTING | |
| | 7:30 | - 9:00 | 1.50 | MAINT | | | | | BREAK CIRC, FILL 8 5/8" CSG, PRESSURE 4 1/2" CSG TO 1000#, WATCH 2" VALVE ON 8 5/8" FOR BUBBLES.PULL 2 JTS TBG, LAND TBG, ND BOP'S, NU WH, RDMO 194 JTS 6130.24' IN HOLE KB, NC AND HANGER 1.25', EOT 6144.49' 42 JTS ON GRD 1327.24' TBG ON LOC 236 JTS, 7457.48' | |
| 3/7/2011 | 7:00 | - 7:30 | 0.50 | MAINT | 48 | | P | | TRIPPING TBG | |
| | 7:30 | - 18:00 | 10.50 | MAINT | 33 | | P | | ,MIRU, NDWH, NU BOP'S, TEST TO 3000#, FILL CSG-ANNULUS WITH T-MAC, RU WEATHERFORD, TIH WITH CUTTER, CUT OFF 4 1/2" CSG AT 6', DROPPED PLUMB BOB, SHOWED 40' FOOT TO CEMENT, CALLED BRAD LANEY, CHANGED TO CSG PATCH, RU WEATHERFORD, CUT OFF AT 30', THREE ATTEMPTS TO CUT OFF, HAD TO DRESS CUT, PU CSG PATCH RIH SET CSG PATCH, PLUG 4 1/2' CSG, SWIFN | |
| 3/8/2011 | 7:00 | - 7:30 | 0.50 | MAINT | 48 | | P | | PRESSURE TSETING | |

US ROCKIES REGION
Operation Summary Report

| | | | | | |
|--|--|--|--|---------------------|------------------------|
| Well: BONANZA 1023-15H4CS (BLUE) | | Spud Conductor: 1/31/2010 | | Spud Date: 2/6/2010 | |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-15I PAD | | | Rig Name No: MILES 2/2 |
| Event: WELL WORK EXPENSE | | Start Date: 2/23/2011 | | End Date: 3/9/2011 | |
| Active Datum: RKB @5,618.00ft (above Mean Sea Level) | | UWI: SE/SE/0/10/S/23/E/15/0/0/6/PM/S/2,204.00/E/0/319.00/0/0 | | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|----------|-------------------|------------------|-------|------|-------------|-----|-----------------|---|
| | 7:30 - 18:00 | 10.50 | MAINT | 44 | | P | | RU B&C, PRESSURE TEST CSG TO 7000#, CUT OFF CSG, PRESSURE 8 5/8" CSG TO 900#, NU TBG SPOOL, TEST 4 1/2" CSG 1000# 15 MIN 0 LOSS 15 MIN 3500# 15 MIN 0 LOSS 15 MIN 7000# 30 MIN APPROX 40# 30 MIN TEST ANNULUS 200# 15 MIN LOSS 200# 15 MIN 900# 30 MIN LOSS 900# 30 MIN NO COMMUNICATION ON TESTS NU TBG SPOOL, PU POBS, BIT, XNSN, TIH TBG TAG, 202 JTS 6362' BREAK CIRC, DRILL CEMENT PLUG, CBP, TIH 253 JTS TO 7999' PBD C/O , RU CUDD, BREAK CIRC WITH NITROGEN, POOH LAY DWN 17 JTS TO 7457.78', BIT SUB WON'T PUMP OFF PLUGGED. TRIP TBG IN AM. SWIFN TRIPPING TBG |
| 3/9/2011 | 7:00 - 7:30 | 0.50 | MAINT | 48 | | P | | |
| | 7:30 - 17:00 | 9.50 | MAINT | 31 | | P | | TRIP TBG OUT OF HOLE, SN-POBS PLUGGED WITH SAND, TIH LAND TBG WITH 236 JTS 07457.78', ND BOP'S, NUWH.TURN TO CDC RDMO TO BON 1023-18D3AS TOTAL JTS 236 JTS 7457.48' KB 13.0' HANGER .83' XNSN 2.2' EOT 7473.5' |

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6029

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| See Atchmt | See Atchmt | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | 99999 | 18519 | | | | 5/11/2012 | |
| Comments: Please see attachment with list of Wells in the Ponderosa Unit. <u>W5MVD</u> 5/30/2012 | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

MAY 21 2012

Div. of Oil, Gas & Mining

Cara Mahler

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/21/2012

Date

| well_name | sec | tpw | rng | api | entity | | lease | well | stat | qtr_qtr | bhl | surf | zone | a_stat | l_num | op_no |
|-------------------------------|-----|------|------|------------|--------|--|-------|------|------|---------|-----|------|-------|--------|-----------|-------|
| SOUTHMAN CANYON 31-3 | 31 | 090S | 230E | 4304734726 | 13717 | | 1 | GW | P | SENW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CANYON 31-4 | 31 | 090S | 230E | 4304734727 | 13742 | | 1 | GW | S | SESW | | 1 | WSMVD | S | UTU-33433 | N2995 |
| SOUTHMAN CYN 31-2X (RIG SKID) | 31 | 090S | 230E | 4304734898 | 13755 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31J | 31 | 090S | 230E | 4304735149 | 13994 | | 1 | GW | P | NWSE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31B | 31 | 090S | 230E | 4304735150 | 13953 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31P | 31 | 090S | 230E | 4304735288 | 14037 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31H | 31 | 090S | 230E | 4304735336 | 14157 | | 1 | GW | P | SENE | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31O | 31 | 090S | 230E | 4304737205 | 16827 | | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31K | 31 | 090S | 230E | 4304737206 | 16503 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31G | 31 | 090S | 230E | 4304737208 | 16313 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31E | 31 | 090S | 230E | 4304737209 | 16521 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31A | 31 | 090S | 230E | 4304737210 | 16472 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31C | 31 | 090S | 230E | 4304737227 | 16522 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-1G | 01 | 100S | 230E | 4304735512 | 14458 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1A | 01 | 100S | 230E | 4304735717 | 14526 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1E | 01 | 100S | 230E | 4304735745 | 14524 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1C | 01 | 100S | 230E | 4304735754 | 14684 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-40736 | N2995 |
| BONANZA 1023-1K | 01 | 100S | 230E | 4304735755 | 15403 | | 1 | GW | P | NESW | | 1 | MVRD | P | U-38423 | N2995 |
| BONANZA 1023-1F | 01 | 100S | 230E | 4304737379 | 16872 | | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1B | 01 | 100S | 230E | 4304737380 | 16733 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1D | 01 | 100S | 230E | 4304737381 | 16873 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1H | 01 | 100S | 230E | 4304737430 | 16901 | | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1L | 01 | 100S | 230E | 4304738300 | 16735 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-38423 | N2995 |
| BONANZA 1023-1J | 01 | 100S | 230E | 4304738302 | 16871 | | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1I | 01 | 100S | 230E | 4304738810 | 16750 | | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-2E | 02 | 100S | 230E | 4304735345 | 14085 | | 3 | GW | P | SWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2C | 02 | 100S | 230E | 4304735346 | 14084 | | 3 | GW | P | NENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2A | 02 | 100S | 230E | 4304735347 | 14068 | | 3 | GW | P | NENE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2G | 02 | 100S | 230E | 4304735661 | 14291 | | 3 | GW | P | SWNE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O | 02 | 100S | 230E | 4304735662 | 14289 | | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2I | 02 | 100S | 230E | 4304735663 | 14290 | | 3 | GW | S | NESE | | 3 | WSMVD | S | ML-47062 | N2995 |
| BONANZA 1023-2MX | 02 | 100S | 230E | 4304736092 | 14730 | | 3 | GW | P | SWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H | 02 | 100S | 230E | 4304737093 | 16004 | | 3 | GW | P | SENE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D | 02 | 100S | 230E | 4304737094 | 15460 | | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2B | 02 | 100S | 230E | 4304737095 | 15783 | | 3 | GW | P | NWNE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2P | 02 | 100S | 230E | 4304737223 | 15970 | | 3 | GW | P | SESE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2N | 02 | 100S | 230E | 4304737224 | 15887 | | 3 | GW | P | SESW | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2L | 02 | 100S | 230E | 4304737225 | 15833 | | 3 | GW | P | NWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2F | 02 | 100S | 230E | 4304737226 | 15386 | | 3 | GW | P | SENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D-4 | 02 | 100S | 230E | 4304738761 | 16033 | | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O-1 | 02 | 100S | 230E | 4304738762 | 16013 | | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H3CS | 02 | 100S | 230E | 4304750344 | 17426 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G3BS | 02 | 100S | 230E | 4304750345 | 17428 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G2CS | 02 | 100S | 230E | 4304750346 | 17429 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G1BS | 02 | 100S | 230E | 4304750347 | 17427 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |

| | | | | | | | | | | | | | | | | |
|----------------------------|----|------|------|------------|-------|--|---|----|-----|------|---|---|-------|-----|-----------|-------|
| BONANZA 1023-2M1S | 02 | 100S | 230E | 4304750379 | 17443 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2L2S | 02 | 100S | 230E | 4304750380 | 17444 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K4S | 02 | 100S | 230E | 4304750381 | 17446 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K1S | 02 | 100S | 230E | 4304750382 | 17445 | | 3 | GW | P | SENW | D | 3 | WSMVD | P | ML 47062 | N2995 |
| BONANZA 4-6 ✱ | 04 | 100S | 230E | 4304734751 | 13841 | | 1 | GW | P | NESW | | 1 | MNCS | P | UTU-33433 | N2995 |
| BONANZA 1023-4A | 04 | 100S | 230E | 4304735360 | 14261 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4E | 04 | 100S | 230E | 4304735392 | 14155 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4C | 04 | 100S | 230E | 4304735437 | 14252 | | 1 | GW | P | NENW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4M | 04 | 100S | 230E | 4304735629 | 14930 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4O | 04 | 100S | 230E | 4304735688 | 15111 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4I | 04 | 100S | 230E | 4304735689 | 14446 | | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4G | 04 | 100S | 230E | 4304735746 | 14445 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4D | 04 | 100S | 230E | 4304737315 | 16352 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4H | 04 | 100S | 230E | 4304737317 | 16318 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4B | 04 | 100S | 230E | 4304737328 | 16351 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4L | 04 | 100S | 230E | 4304738211 | 16393 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4P | 04 | 100S | 230E | 4304738212 | 16442 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4N | 04 | 100S | 230E | 4304738303 | 16395 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4FX (RIGSKID) | 04 | 100S | 230E | 4304739918 | 16356 | | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5O | 05 | 100S | 230E | 4304735438 | 14297 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5AX (RIGSKID) | 05 | 100S | 230E | 4304735809 | 14243 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5C | 05 | 100S | 230E | 4304736176 | 14729 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G | 05 | 100S | 230E | 4304736177 | 14700 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5M | 05 | 100S | 230E | 4304736178 | 14699 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5K | 05 | 100S | 230E | 4304736741 | 15922 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5B | 05 | 100S | 230E | 4304737318 | 16904 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5E | 05 | 100S | 230E | 4304737319 | 16824 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5H | 05 | 100S | 230E | 4304737320 | 16793 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N | 05 | 100S | 230E | 4304737321 | 16732 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5L | 05 | 100S | 230E | 4304737322 | 16825 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5J | 05 | 100S | 230E | 4304737428 | 17055 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5P | 05 | 100S | 230E | 4304738213 | 16795 | | 1 | GW | P | SESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N-1 | 05 | 100S | 230E | 4304738911 | 17060 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5PS | 05 | 100S | 230E | 4304750169 | 17323 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G2AS | 05 | 100S | 230E | 4304750486 | 17459 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G2CS | 05 | 100S | 230E | 4304750487 | 17462 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3BS | 05 | 100S | 230E | 4304750488 | 17461 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3CS | 05 | 100S | 230E | 4304750489 | 17460 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5N4AS | 05 | 100S | 230E | 4304752080 | 18484 | | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU73450 | N2995 |
| BONANZA 1023-8C2DS | 05 | 100S | 230E | 4304752081 | 18507 | | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU37355 | N2995 |
| BONANZA 6-2 | 06 | 100S | 230E | 4304734843 | 13796 | | 1 | GW | TA | NESW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6C | 06 | 100S | 230E | 4304735153 | 13951 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6E | 06 | 100S | 230E | 4304735358 | 14170 | | 1 | GW | P | SWNW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6M | 06 | 100S | 230E | 4304735359 | 14233 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-38419 | N2995 |
| BONANZA 1023-6G | 06 | 100S | 230E | 4304735439 | 14221 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6O | 06 | 100S | 230E | 4304735630 | 14425 | | 1 | GW | TA | SWSE | | 1 | WSMVD | TA | U-38419 | N2995 |

✱ not moved in unit

| | | | | | | | | | | | | | | | | |
|----------------------------|----|------|------|------------|-------|--|---|----|----|------|---|---|-------|----|-----------|-------|
| BONANZA 1023-6A | 06 | 100S | 230E | 4304736067 | 14775 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-6N | 06 | 100S | 230E | 4304737211 | 15672 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6L | 06 | 100S | 230E | 4304737212 | 15673 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6J | 06 | 100S | 230E | 4304737213 | 15620 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6F | 06 | 100S | 230E | 4304737214 | 15576 | | 1 | GW | TA | SENW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6P | 06 | 100S | 230E | 4304737323 | 16794 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6H | 06 | 100S | 230E | 4304737324 | 16798 | | 1 | GW | S | SENE | | 1 | WSMVD | S | UTU-33433 | N2995 |
| BONANZA 1023-6D | 06 | 100S | 230E | 4304737429 | 17020 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6B | 06 | 100S | 230E | 4304740398 | 18291 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-6M1BS | 06 | 100S | 230E | 4304750452 | 17578 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1AS | 06 | 100S | 230E | 4304750453 | 17581 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1CS | 06 | 100S | 230E | 4304750454 | 17580 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N4BS | 06 | 100S | 230E | 4304750455 | 17579 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I2S | 06 | 100S | 230E | 4304750457 | 17790 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I4S | 06 | 100S | 230E | 4304750458 | 17792 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6J3S | 06 | 100S | 230E | 4304750459 | 17791 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6P1S | 06 | 100S | 230E | 4304750460 | 17793 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6A2CS | 06 | 100S | 230E | 4304751430 | 18292 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4BS | 06 | 100S | 230E | 4304751431 | 18293 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4CS | 06 | 100S | 230E | 4304751432 | 18294 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6C4BS | 06 | 100S | 230E | 4304751449 | 18318 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| BONANZA 1023-6D1DS | 06 | 100S | 230E | 4304751451 | 18316 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| FLAT MESA FEDERAL 2-7 | 07 | 100S | 230E | 4304730545 | 18244 | | 1 | GW | S | NENW | | 1 | WSMVD | S | U-38420 | N2995 |
| BONANZA 1023-7B | 07 | 100S | 230E | 4304735172 | 13943 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-38420 | N2995 |
| BONANZA 1023-7L | 07 | 100S | 230E | 4304735289 | 14054 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7D | 07 | 100S | 230E | 4304735393 | 14171 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7P | 07 | 100S | 230E | 4304735510 | 14296 | | 1 | GW | P | SESE | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7H | 07 | 100S | 230E | 4304736742 | 15921 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7NX (RIGSKID) | 07 | 100S | 230E | 4304736932 | 15923 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7M | 07 | 100S | 230E | 4304737215 | 16715 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7K | 07 | 100S | 230E | 4304737216 | 16714 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7E | 07 | 100S | 230E | 4304737217 | 16870 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7G | 07 | 100S | 230E | 4304737326 | 16765 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7A | 07 | 100S | 230E | 4304737327 | 16796 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7O | 07 | 100S | 230E | 4304738304 | 16713 | | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-38420 | N2995 |
| BONANZA 1023-7B-3 | 07 | 100S | 230E | 4304738912 | 17016 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-07JT | 07 | 100S | 230E | 4304739390 | 16869 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7J2AS | 07 | 100S | 230E | 4304750474 | 17494 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7J2DS | 07 | 100S | 230E | 4304750475 | 17495 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7L3DS | 07 | 100S | 230E | 4304750476 | 17939 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7M2AS | 07 | 100S | 230E | 4304750477 | 17942 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2AS | 07 | 100S | 230E | 4304750478 | 17940 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2DS | 07 | 100S | 230E | 4304750479 | 17941 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7O4S | 07 | 100S | 230E | 4304750480 | 17918 | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7P2S | 07 | 100S | 230E | 4304750482 | 17919 | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 8-2 | 08 | 100S | 230E | 4304734087 | 13851 | | 1 | GW | P | SESE | | 1 | MVRD | P | U-37355 | N2995 |

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|--------------------|----|------|------|------------|-------|--|---|----|---|------|---|---|-------|---|-----------|-------|
| BONANZA 8-3 | 08 | 100S | 230E | 4304734770 | 13843 | | 1 | GW | P | NWNW | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-8A | 08 | 100S | 230E | 4304735718 | 14932 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8L | 08 | 100S | 230E | 4304735719 | 14876 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8N | 08 | 100S | 230E | 4304735720 | 15104 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8F | 08 | 100S | 230E | 4304735989 | 14877 | | 1 | GW | S | SENW | | 1 | WSMVD | S | UTU-37355 | N2995 |
| BONANZA 1023-8I | 08 | 100S | 230E | 4304738215 | 16358 | | 1 | GW | P | NESE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8K | 08 | 100S | 230E | 4304738216 | 16354 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8M | 08 | 100S | 230E | 4304738217 | 16564 | | 1 | GW | P | SWSW | | 1 | MVRD | P | UTU-37355 | N2995 |
| BONANZA 1023-8G | 08 | 100S | 230E | 4304738218 | 16903 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8E | 08 | 100S | 230E | 4304738219 | 16397 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8C | 08 | 100S | 230E | 4304738220 | 16355 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B | 08 | 100S | 230E | 4304738221 | 16292 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8H | 08 | 100S | 230E | 4304738222 | 16353 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8O | 08 | 100S | 230E | 4304738305 | 16392 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B-4 | 08 | 100S | 230E | 4304738914 | 17019 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8A1DS | 08 | 100S | 230E | 4304750481 | 17518 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4BS | 08 | 100S | 230E | 4304750483 | 17519 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B1AS | 08 | 100S | 230E | 4304750484 | 17520 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B2AS | 08 | 100S | 230E | 4304750485 | 17521 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O2S | 08 | 100S | 230E | 4304750495 | 17511 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J1S | 08 | 100S | 230E | 4304750496 | 17509 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3S | 08 | 100S | 230E | 4304750497 | 17512 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J3 | 08 | 100S | 230E | 4304750498 | 17510 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C4CS | 08 | 100S | 230E | 4304750499 | 17544 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D2DS | 08 | 100S | 230E | 4304750500 | 17546 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D3DS | 08 | 100S | 230E | 4304750501 | 17545 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3DS | 08 | 100S | 230E | 4304750502 | 17543 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4CS | 08 | 100S | 230E | 4304751131 | 18169 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B3BS | 08 | 100S | 230E | 4304751132 | 18167 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C1AS | 08 | 100S | 230E | 4304751133 | 18166 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G3AS | 08 | 100S | 230E | 4304751134 | 18168 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2AS | 08 | 100S | 230E | 4304751135 | 18227 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3BS | 08 | 100S | 230E | 4304751136 | 18227 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4AS | 08 | 100S | 230E | 4304751137 | 18224 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4DS | 08 | 100S | 230E | 4304751138 | 18225 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J2CS | 08 | 100S | 230E | 4304751139 | 18226 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G4DS | 08 | 100S | 230E | 4304751140 | 18144 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H2DS | 08 | 100S | 230E | 4304751141 | 18142 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H3DS | 08 | 100S | 230E | 4304751142 | 18143 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H4DS | 08 | 100S | 230E | 4304751143 | 18141 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8I4BS | 08 | 100S | 230E | 4304751144 | 18155 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J4BS | 08 | 100S | 230E | 4304751145 | 18154 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P1AS | 08 | 100S | 230E | 4304751146 | 18156 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2BS | 08 | 100S | 230E | 4304751147 | 18153 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P4AS | 08 | 100S | 230E | 4304751148 | 18157 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2DS | 08 | 100S | 230E | 4304751149 | 18201 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |

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|-----------------------|----|------|------|------------|-------|--|---|----|---|------|---|---|-------|---|-----------|-------|
| BONANZA 1023-8E3DS | 08 | 100S | 230E | 4304751150 | 18200 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K1CS | 08 | 100S | 230E | 4304751151 | 18199 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K4CS | 08 | 100S | 230E | 4304751152 | 18198 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8L3DS | 08 | 100S | 230E | 4304751153 | 18197 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2AS | 08 | 100S | 230E | 4304751154 | 18217 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2DS | 08 | 100S | 230E | 4304751155 | 18216 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N2BS | 08 | 100S | 230E | 4304751156 | 18218 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3CS | 08 | 100S | 230E | 4304751157 | 18254 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N3DS | 08 | 100S | 230E | 4304751158 | 18215 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O4AS | 08 | 100S | 230E | 4304751159 | 18252 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2CS | 08 | 100S | 230E | 4304751160 | 18251 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P3CS | 08 | 100S | 230E | 4304751161 | 18253 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| CANYON FEDERAL 2-9 | 09 | 100S | 230E | 4304731504 | 1468 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-37355 | N2995 |
| SOUTHMAN CANYON 9-3-M | 09 | 100S | 230E | 4304732540 | 11767 | | 1 | GW | S | SWSW | | 1 | MVRD | S | UTU-37355 | N2995 |
| SOUTHMAN CANYON 9-4-J | 09 | 100S | 230E | 4304732541 | 11685 | | 1 | GW | S | NWSE | | 1 | MVRD | S | UTU-37355 | N2995 |
| BONANZA 9-6 | 09 | 100S | 230E | 4304734771 | 13852 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 9-5 | 09 | 100S | 230E | 4304734866 | 13892 | | 1 | GW | P | SESW | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-9E | 09 | 100S | 230E | 4304735620 | 14931 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-37355 | N2995 |
| BONANZA 1023-9I | 09 | 100S | 230E | 4304738223 | 16766 | | 1 | GW | P | NESE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9D | 09 | 100S | 230E | 4304738306 | 16398 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9J | 09 | 100S | 230E | 4304738811 | 16989 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9B3BS | 09 | 100S | 230E | 4304750503 | 17965 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9B3CS | 09 | 100S | 230E | 4304750504 | 17968 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2BS | 09 | 100S | 230E | 4304750505 | 17966 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2CS | 09 | 100S | 230E | 4304750506 | 17967 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 10-2 | 10 | 100S | 230E | 4304734704 | 13782 | | 1 | GW | P | NWNW | | 1 | MVRD | P | U-72028 | N2995 |
| BONANZA 1023-10L | 10 | 100S | 230E | 4304735660 | 15164 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38261 | N2995 |
| BONANZA 1023-10E | 10 | 100S | 230E | 4304738224 | 16501 | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C | 10 | 100S | 230E | 4304738228 | 16500 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C-4 | 10 | 100S | 230E | 4304738915 | 17015 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 11-2 ★ | 11 | 100S | 230E | 4304734773 | 13768 | | 1 | GW | P | SWNW | | 1 | MVMCS | P | UTU-38425 | N2995 |
| BONANZA 1023-11K | 11 | 100S | 230E | 4304735631 | 15132 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38425 | N2995 |
| BONANZA 1023-11B | 11 | 100S | 230E | 4304738230 | 16764 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11F | 11 | 100S | 230E | 4304738232 | 16797 | | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11D | 11 | 100S | 230E | 4304738233 | 16711 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11G | 11 | 100S | 230E | 4304738235 | 16826 | | 1 | GW | P | SWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11C | 11 | 100S | 230E | 4304738309 | 16736 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11J | 11 | 100S | 230E | 4304738310 | 16839 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38424 | N2995 |
| BONANZA 1023-11N | 11 | 100S | 230E | 4304738311 | 16646 | | 1 | GW | P | SESW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11M | 11 | 100S | 230E | 4304738312 | 16687 | | 1 | GW | P | SWSW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11L | 11 | 100S | 230E | 4304738812 | 16987 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38424 | N2995 |
| NSO FEDERAL 1-12 | 12 | 100S | 230E | 4304730560 | 1480 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38423 | N2995 |
| WHITE RIVER 1-14 | 14 | 100S | 230E | 4304730481 | 1500 | | 1 | GW | S | NENW | | 1 | MVRD | S | U-38427 | N2995 |
| BONANZA 1023-14D | 14 | 100S | 230E | 4304737030 | 16799 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-14C | 14 | 100S | 230E | 4304738299 | 16623 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA FEDERAL 3-15 | 15 | 100S | 230E | 4304731278 | 8406 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-38428 | N2995 |

★ not moved into unit

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|-----------------------------|----|------|------|------------|-------|--|---|----|-----|------|---|---|-------|-----|------------|-------|
| BONANZA 1023-15H | 15 | 100S | 230E | 4304738316 | 16688 | | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15J | 15 | 100S | 230E | 4304738817 | 16988 | | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15H4CS | 15 | 100S | 230E | 4304750741 | 17492 | | 1 | GW | P | NESE | D | 1 | MVRD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I2AS | 15 | 100S | 230E | 4304750742 | 17493 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I4BS | 15 | 100S | 230E | 4304750743 | 17490 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15P1BS | 15 | 100S | 230E | 4304750744 | 17491 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| LOOKOUT POINT STATE 1-16 | 16 | 100S | 230E | 4304730544 | 1495 | | 3 | GW | P | NESE | | 3 | WSMVD | P | ML-22186-A | N2995 |
| BONANZA 1023-16J | 16 | 100S | 230E | 4304737092 | 15987 | | 3 | GW | OPS | NWSE | | 3 | WSMVD | OPS | ML-22186-A | N2995 |
| BONANZA 1023-17B | 17 | 100S | 230E | 4304735747 | 15165 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17C | 17 | 100S | 230E | 4304738237 | 16585 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17D3S | 17 | 100S | 230E | 4304750511 | 17943 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E2S | 17 | 100S | 230E | 4304750512 | 17944 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3AS | 17 | 100S | 230E | 4304750513 | 17945 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3CS | 17 | 100S | 230E | 4304750514 | 17946 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-18G | 18 | 100S | 230E | 4304735621 | 14410 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18B | 18 | 100S | 230E | 4304735721 | 14395 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | U-38421 | N2995 |
| BONANZA 1023-18DX (RIGSKID) | 18 | 100S | 230E | 4304736218 | 14668 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18A | 18 | 100S | 230E | 4304738243 | 16625 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18F | 18 | 100S | 230E | 4304738244 | 16624 | | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18E | 18 | 100S | 230E | 4304738245 | 16645 | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18C | 18 | 100S | 230E | 4304738246 | 16734 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18G-1 | 18 | 100S | 230E | 4304738916 | 17135 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18D3AS | 18 | 100S | 230E | 4304750448 | 17498 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18D3DS | 18 | 100S | 230E | 4304750449 | 17499 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E2DS | 18 | 100S | 230E | 4304750450 | 17497 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E3AS | 18 | 100S | 230E | 4304750451 | 17496 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L2S | 18 | 100S | 230E | 4304750520 | 18111 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L3S | 18 | 100S | 230E | 4304750521 | 18110 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3AS | 18 | 100S | 230E | 4304751061 | 18112 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3BS | 18 | 100S | 230E | 4304751063 | 18113 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2AS | 18 | 100S | 230E | 4304751064 | 18117 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2DS | 18 | 100S | 230E | 4304751065 | 18116 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2AS | 18 | 100S | 230E | 4304751066 | 18114 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2DS | 18 | 100S | 230E | 4304751067 | 18115 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-10F | 10 | 100S | 230E | 4304738225 | 16565 | | | GW | P | SENW | | | MVRD | P | UTU 72028 | N2995 |
| BONANZA 1023-6D1AS | 6 | 100S | 230E | 4304751450 | 18320 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6C1CS | 6 | 100S | 230E | 4304751448 | 18319 | | | GW | | NENW | D | | | | UTU 38419 | N2995 |
| BONANZA 1023-6D3AS | 6 | 100S | 230E | 4304751452 | 18317 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |